

User Manual

Lobby Camera Phone DRC-701LC/RF1



- Thank you for purchasing COMMAX products.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.



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1. Greeting

- * Thank you for purchasing COMMAX products.
- * This product is a high-end Main Entrance Interphone that supports Electronic Number Key (Password) and RF Card Keys features. Please read this manual thoroughly before installation.

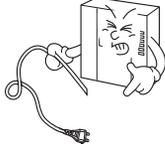
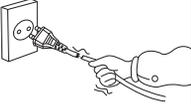
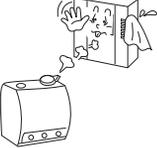
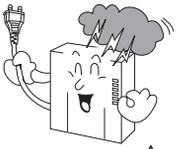
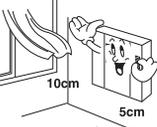


2. Safety Warning & Caution

Please follow the things described below in order to prevent any danger or property damage.

 <p>Warning It may cause a serious damage or injury if violated.</p>  <p>Caution It may cause a minor damage or injury if violated.</p>	<ul style="list-style-type: none">  Prohibition.  No disassembly  No touch  Must follow strictly.  Shows plugging out the power cord without an exception  Shows the warning and caution for an electric shock.  Shows the warning and caution for a fire.
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Warning

Power & Installation	<p>Please don't use several products at the same time on one power socket.</p> <ul style="list-style-type: none"> It may cause a fire due to an abnormal overheating.   	<p>Please don't bend the power cable excessively or it may cause an electric shock.</p> <ul style="list-style-type: none"> fire when using a damaged power cable.    	<p>Please don't handle the power cable with a wet hand.</p> <ul style="list-style-type: none"> It may cause an electric shock.   	<p>Please plug out the power cable from the socket when not using it for a long period of time.</p> <ul style="list-style-type: none"> It may shorten the product lifespan or cause a fire.   
	<p>Please don't install the product in the place where there is much oil, smoke or humidity.</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.    	<p>Please don't install the product with the lightning and thunder.</p> <ul style="list-style-type: none"> It may cause an electric shock or fire.    	<p>Please don't use and connect this product with other products with different rated voltage.</p> <ul style="list-style-type: none"> It may cause a disorder or fire.   	<p>When installing the product that generates heat, please install the product away from the wall (10cm) for the ventilation.</p> <ul style="list-style-type: none"> It may cause a fire due to the increased internal temperature.   

⚠ Warning

Cleaning & Use

Please don't disassemble, repair or rebuild this product arbitrarily (please contact the service center if a repair is needed).

- It may cause an electric shock or fire.



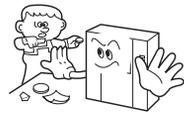
If an abnormal sound, burning smell or smoke is coming out of the product, please plug out the power cable and contact a service center.

- It may cause an electric shock or fire.



Please don't insert any metallic or burnable materials into the ventilation hole.

- It may cause an electric shock or fire.



Please use only the designated batteries for the products of using DC power.

- It may cause an electric shock or fire.

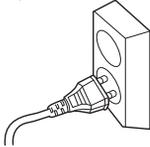


⚠ Caution

Power & Installation

Please plug the power cable firmly into the inner end

- It may cause a fire.



Please hold the plug tightly when unplugging the power cable (a part of the copper wire may be disconnected if the grabbing is only made on the cord when pulling out the cable).

- It may cause an electric shock or fire



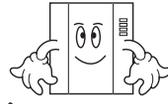
When connecting the power cables after cutting the cable, please install the product with power off

- It may cause an electric shock or fire



When installing the product, please fix it firmly while using the wall-mounting unit and screws.

- It may cause an injury from the falling object.



Please be careful when using an AC circuit breaker since there is a possibility of an electric shock.



Please check the use voltage and current for the DC-only products and use the appropriate rectifier.

- It may cause a fire.



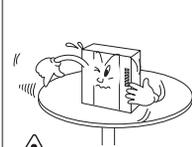
Please avoid direct rays of the sun or heating devices at a time of installation.

- It may cause a fire.



Please don't install the product on an unstable place or small support board.

- It may cause an injury if it falls down while in use.



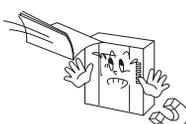
Cleaning & Use

When cleaning the product, please rub it with a soft and dry cloth after plugging out the power cable. (Please don't use any chemical products such as wax, benzene, alcohol or cleanser.)



Please don't drop the product on the ground and don't apply a shock.

- It may cause a failure.



Please use the designated connection cable within the maximum calling distance designated for the product

- It may reduce the product performance.





3. Before Use

- * Wiring Lobby phone and Security Station Phone :
 1. For 481 System (Coaxial Cable) : Common 8 wires that are 3 channels + 1 channel with "Balance Type".
 2. For Gateview System (UTP Cable) : Common 4 wires with 1 channel.

- * Wiring Lobby phone and Household unit monitor :
 1. For 481 System (Coaxial Cable) : Common 4 wires that include audio and video via coaxial cable.
 2. Gateview System (UTP Cable) : Common 8 wires (Common 6 wires + Video 2 wires) that include audio and video via UTP cable and the video shall be connected by "in/out" method.

- * Any short-circuits and/or disconnection may cause product damage. Please check the wires before installation.
- * It is recommended to install one each of Lobby phone, Security Station phone, and Household unit monitor to check the functionality before initiating overall products installations.
- * RF Card Keys may be registered up to 2,048 keys (if not connected to computer)
- * Failing Management Password, Building Password, and Unit Password more than 3 times will cause an automatic notice to Security Station. Attempts to initiate an entrance with unregistered RF Card Key will cause an automatic notice to Security Station as well.

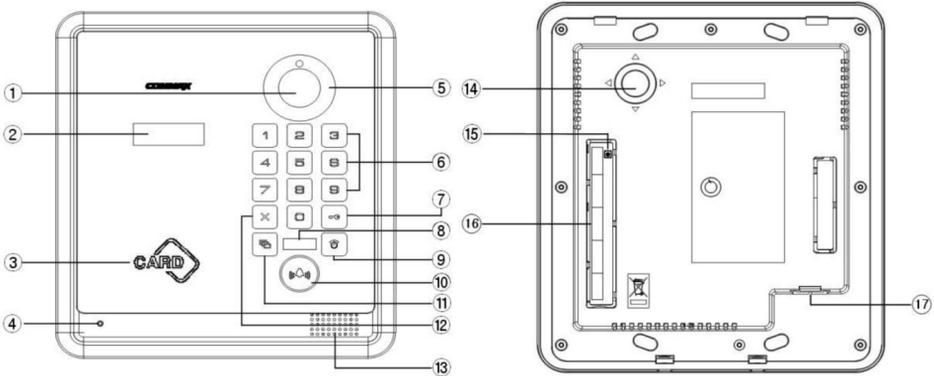
[WARNING]

When power is initially turned on, please be sure that none of the buttons are pressed.



4. Part names and Features

4-1. Part names



Number	Content	Number	Content
1	Camera	10	Call Button - calling households and also used for program setting
2	OLED Display	11	Program Button - used for program mode settings
3	RF- ID Card Receiver	12	Cancel Button - to cancel a process or function being progressed
4	Microphone	13	Speaker
5	Lighting - Black & White : IR LED - Color : White LED	14	Camera Angle Adjustment
6	Number Key Button	15	Reset Switch - to reset building management password
7	Electronic Key Button - for an access by password	16	Wiring Connection Terminal
8	Proximity Sensor - detects an object to trigger LCD and Key button lighting to turn on	17	Door Release Terminal
9	Security Paging Button - to page security station when interphone installed at the security center		

4-2. Essentials

- * Initial LCD Display (when power on)



- * RF/ID Receiver ③(Optional)

For an access by RF Card, when RF Card is brought nearby the OLED display shows a message, "Access granted", with an icon and the door is open.



- * Call Button ⑩(E : Enter)

To call a household unit



- * Program button ⑪(P : Program)

To access the program



* Electronic Key Button ⑦(K : Key)

For an access to the entrance by password. (Only if the access by password is set to be enabled)



* Security Paging Button ⑨(G : Guard)

To call a security station when an interphone is installed at the security center.



* Cancel button ⑩ (X : Cancel)

To cancel a process or function being progressed.



* Reset button ⑮

To reset the password for security center or managing office.



If the Building Password (4-2) or Management Password (4-1) is lost, press the "Reset Button"(⑮) located on the back of the product to reset the Password (Passwords will be set as factory default settings). Press the button for 3 seconds with power on.

* Program Button ⑪

In standby mode, if the button is pressed for 5 seconds, the voice message of greetings will be heard with below information of product settings on the display.

<Reference>

Below information will be displayed.

1) Welcome! COMMAX Lobbyphone DRC-701LC Ver x.x. (Greetings)

2) Lobby Number: XXXX-XXXX ex) 0101-0901

3) Unit paging: x wire method ex) 4 wire method

4) Camera Impedance: low or high

5) Entrance Access Information is being stored at SecuMAX.

6) RF Reader 13.56MHz

* #6 message will show as RF Card has been read at least more than once and will be initialized when power is off.

* Proximity Sensor ⑧

The proximity sensor located under the touch pad that detects an object within 1 meter and triggers LCD and Keypad lighting to be turn on.

* Please read below instructions before use

1) If you hear "beep beep beep..." during any program modes, please restart from the beginning. The beep sounds for improper process.

2) If password is forgotten,

2-1) Password for any household :

Use the identifying household password function (6-1) to confirm the password (methods to confirm password shall be requested to the Management office or Security center).

2-2) Password for any building:

Reset the password by using Management password

2-3) Password for Management

Press "Reset Button".

The password will be reset to factory default.

3) Deleting All RF Card Keys function in "8-5" shall ONLY be used when the product is initially installed.



5. Various Password Types

5-1. Password for the Management Office ("Management Password")

A password for the Manager

Factory default for the Manager Password is 4321.

5-2. Password for any buildings ("Building Password")

A common password for a corresponding building.

Factory default for the Building Password is 1234.

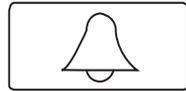
5-3. Password for any household units "Unit Password")

A password for each household unit can be set.

Factory default for the Unit Password is 1234.

<Reference>

*"P": Program Button * "K": Electronic Key Button * "E": Call Button



* Previous Password

Default password for Management Password is	4321
Building Password is	1234
Unit Password is	1234

* New Password

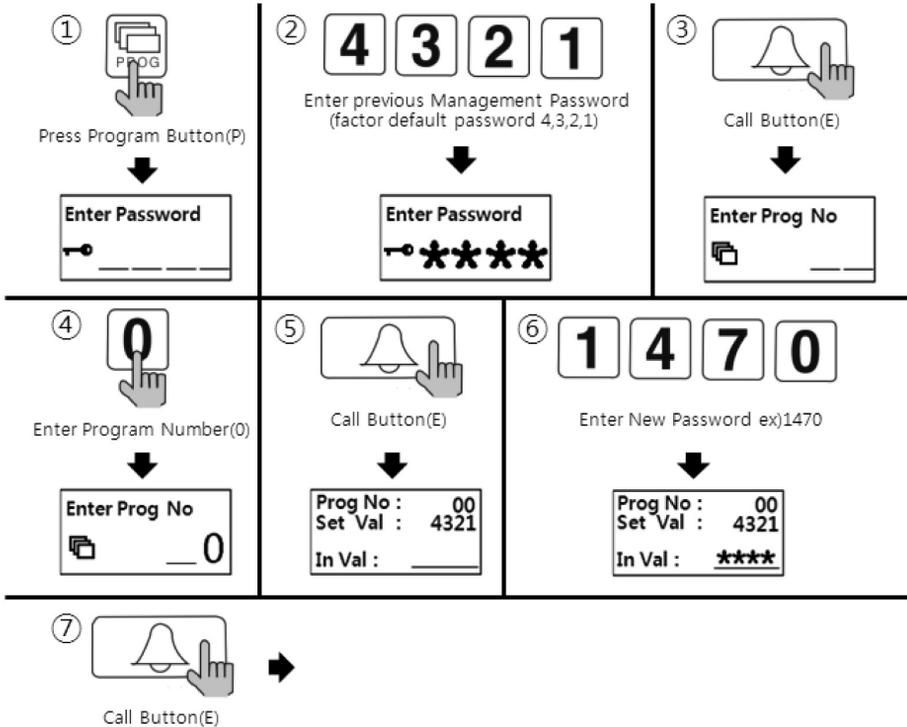
The password newly set.



6. Password Settings

6-1. Setting up Management Password

- "P" - Previous Management Password - "E" - 0 (number zero) - "E" - New Management Password - "E"
- Management Password must be set to 4 digits.
- "0000", "1234", "4321" shall not be used.



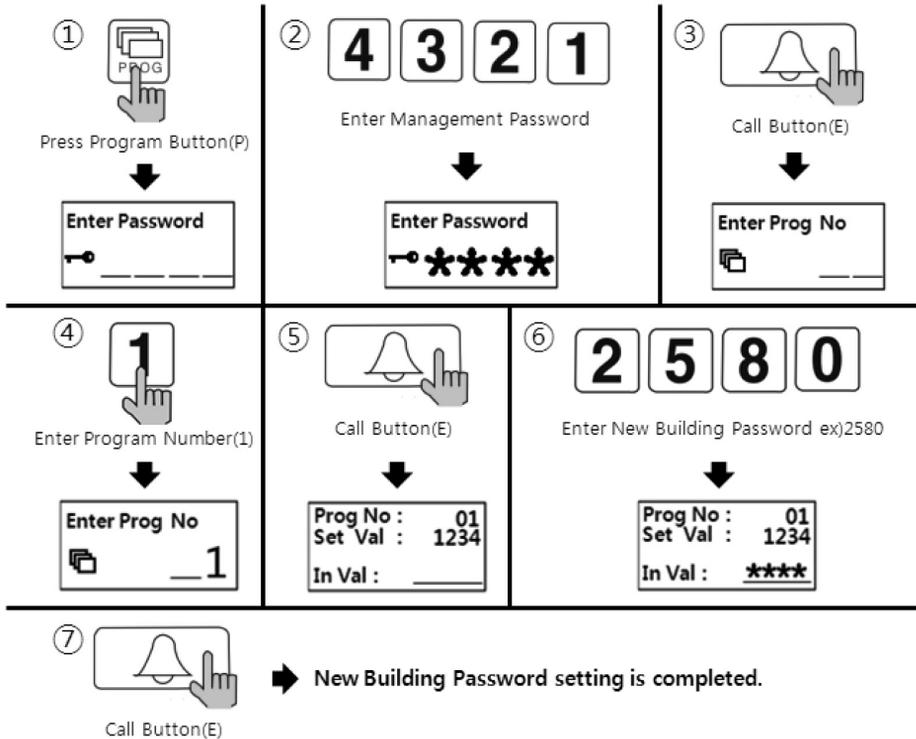
- ① Press "P" button.
- ② Enter previous password (factor default password) 4,3,2,1.
- ③ Press Call Button "E".
- ④ Press "0"(number zero)
- ⑤ Press Call Button "E".
- ⑥ Enter new password (4 digits).
- ⑦ Press Call Button "E".
- ⑧ New Management Password setting is completed.

<Caution>

Please do not keep the factory default password. New password setting after the installation is strongly recommended.

6-2. Setting up Building Password

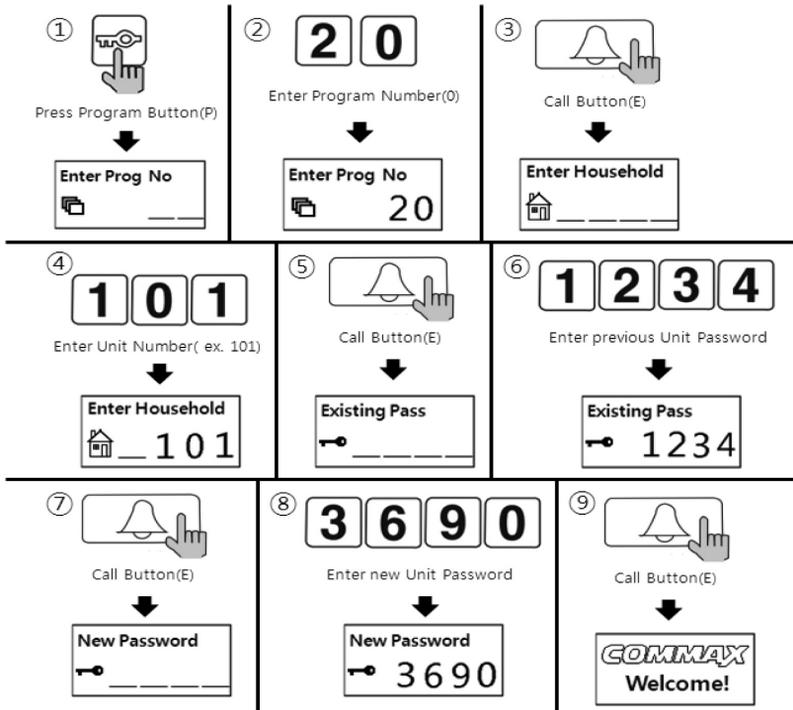
- "P" - Management Password - "E" - 1(number one) - "E" - New Building Password - "E"
- Building Password must be set to 4 digits.
- "0000", "1234", "4321" shall not be used.



- ① Press "P" button.
- ② Enter Management Password (factory default password : 4,3,2,1)
- ③ Press Call Button "E".
- ④ Press "1"(number one)
- ⑤ Press Call Button "E".
- ⑥ Enter new Building Password (4 digits).
- ⑦ Press Call Button "E"
- ⑧ New Building Password setting is completed.

6-3. Setting up Household Unit Password

- "K" - 20 - "E" - Household Unit Number - "E" - Previous Unit Password - "E" - New Unit Password - "E"
- Unit Password must be set to 4 digits.
- "0000", "1234", "4321" shall not be used.
- Unit Password may not be changed depending on the monitors installed
(In case that the password change is enabled at the monitor)



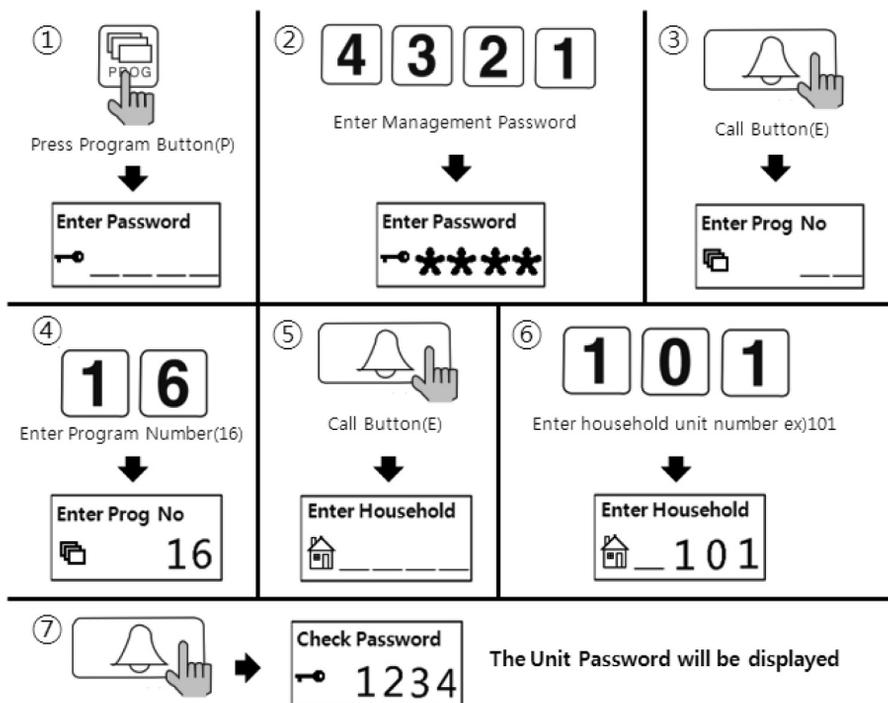
- ① Press Electronic Key Button "K".
- ② Enter "20"(number twenty).
- ③ Press Call Button "E".
- ④ Enter household unit number.
- ⑤ Press Call Button "E".
- ⑥ Enter previous Unit Password.
- ⑦ Press Call Button "E".
- ⑧ Enter new Unit Password.
- ⑨ Press Call Button "E".
- ⑩ New Unit Password setting is completed.



7. Retrieving Unit Password

7-1. Method to identify Unit Password

- "P" - Management Password - "E" - 16 (number sixteen) - "E" - Household Unit Number - "E"



- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "16"(number sixteen).
- ⑤ Press Call Button "E".
- ⑥ Enter household unit number.
- ⑦ Press Call Button "E".
- ⑧ The Unit Password will be displayed.

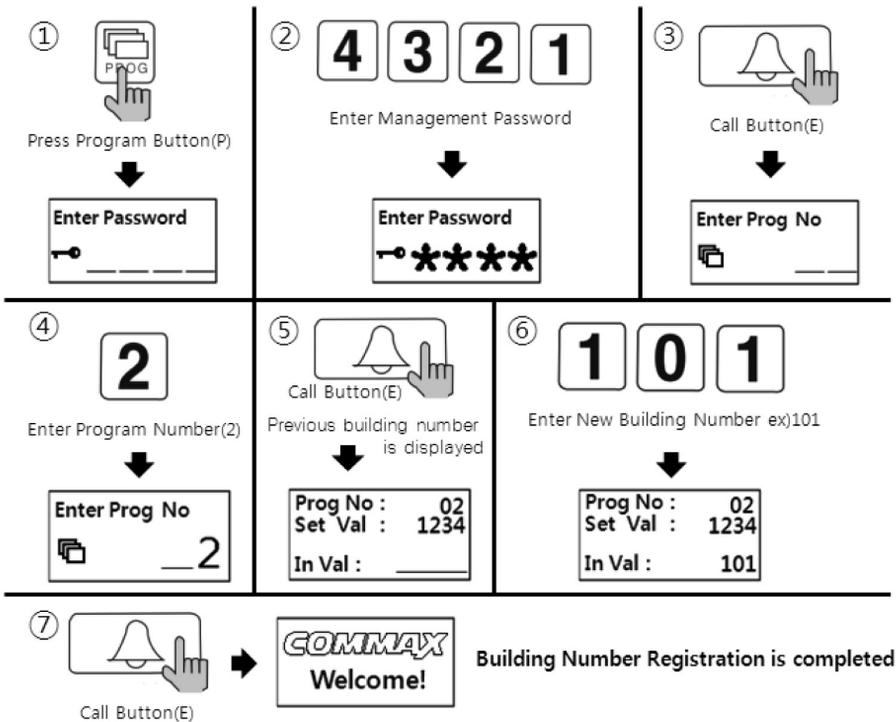


8. Building number and Lobby Phone Number Registration at Public Entrances

- This function is essential to automatically set a building number and a lobby phone number at the public entrance when calling a household unit and/or a security station.
- Up to 99 lobby phones can be installed at public entrances.

8-1. Registration of a building number at the public entrance

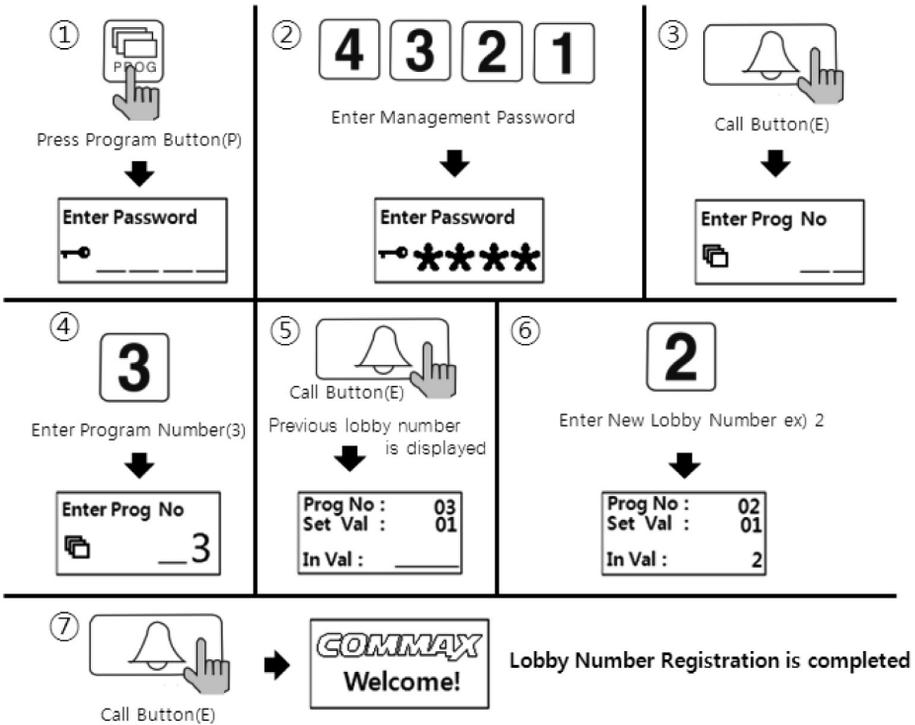
- "P" - Management Password - "E" - 2 (number two) - "E" - Building Number - "E"



- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "2"(number two).
- ⑤ Press Call Button "E".
- ⑥ Enter new building number.
- ⑦ Press Call Button "E".
- ⑧ Building Number Registration is completed.

8-2. Registration of lobby phone number at the public entrance

- "P" - Management Password - "E" - 3(number three) - "E" - Lobby Phone Number - "E"



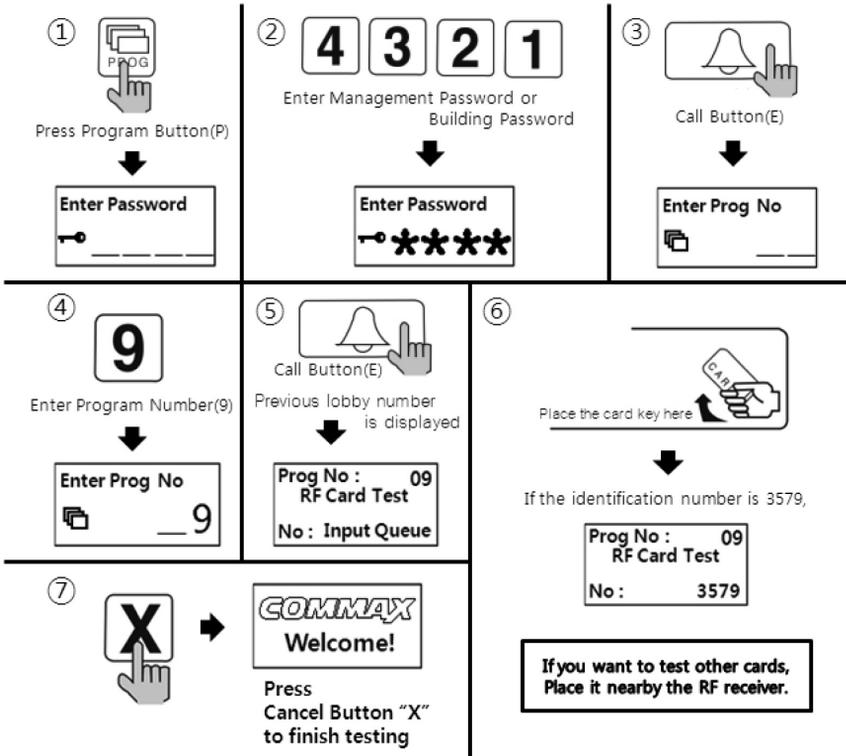
- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "3"(number three).
- ⑤ Press Call Button "E".
- ⑥ Enter new lobby phone number.
- ⑦ Press Call Button "E".
- ⑧ Lobby Phone Number Registration is completed.



9. Using RF Card Keys (Product Model : DRC-701LC/RF1)

9-1. Test method for RF Card Key

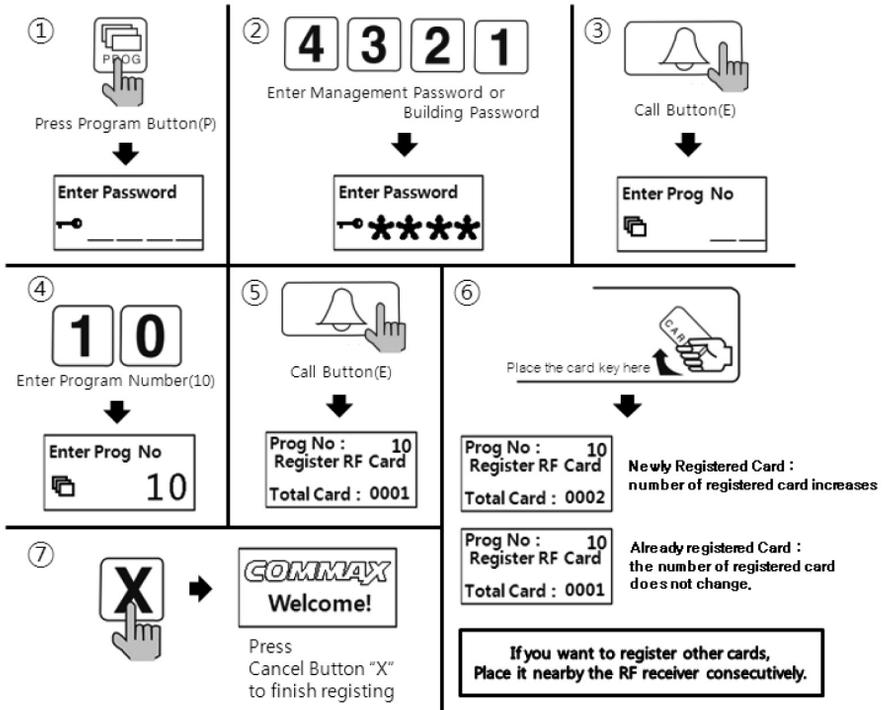
- "P" - Management Password - "E" - 9 (number nine) - "E" - Place the card key nearby the RF Receiver for testing - "X"(Cancel)
- This function is to test the functionality of RF Card and to check the registration status of the RF Card.



- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "9"(number nine).
- ⑤ Press Call Button "E".
- ⑥ Place the RF Card Key you wish to test nearby the RF receiver. If the Card is functioning properly, the identification number will be displayed.
- ⑦ Press Cancel Button "X" to finish testing.

9-2. RF Card Registration

- "P" - Management Password - "E" - 10 (number ten) - "E" - Place the card key nearby the RF Receiver for registration - "X"(Cancel)

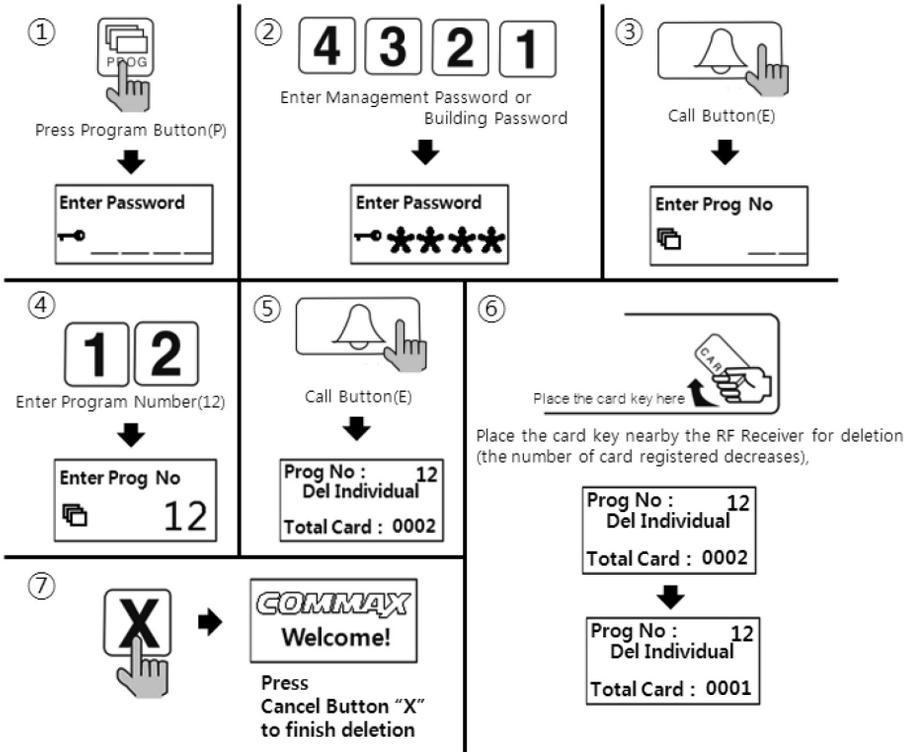


<References>

- "Registration is complete." : Newly Registered Card (number of registered card increases)
- "RF Card Key Already Registered" : If already registered, the number of registered card does not change.
- "RF Card registration is full" : RF Card key registration exceeded its limit ("Registration limit exceeded") (If you get a "Registration limit exceeded" message when no cards registered, please perform "8-5" to initialize the RF card registration)
- Up to 2,048 RF Cards can be registered and stored (in case that SecuMAX system is not integrated).

9-3. Deleting an individual RF Card Key

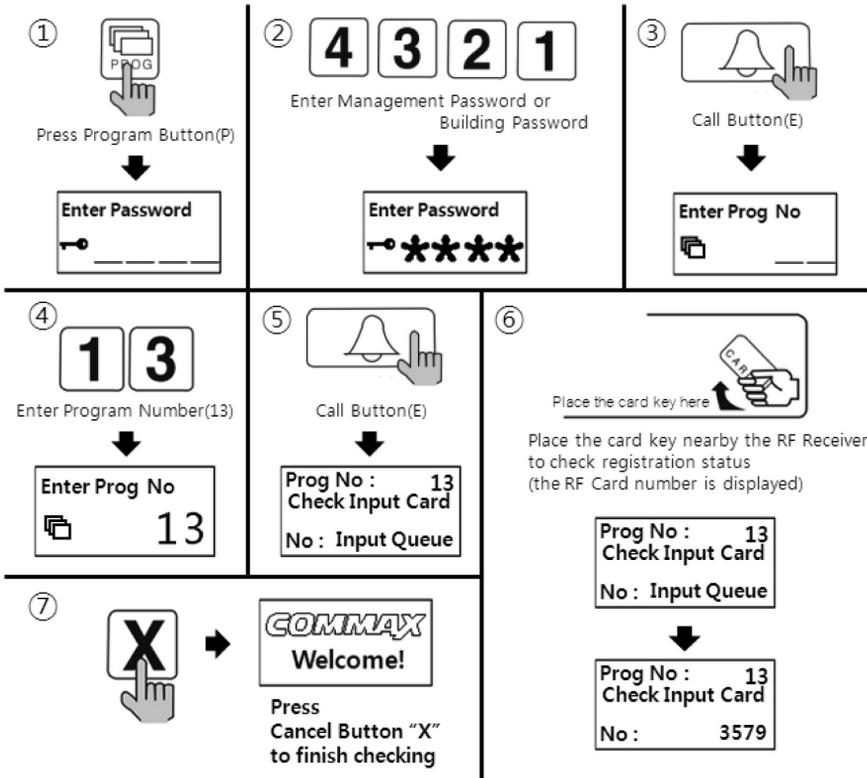
- "P" - Management Password - "E" - 12 (number twelve) - "E" - Place the card key nearby the RF Receiver for deletion - "X"(Cancel)



- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "12"(number twelve).
- ⑤ Press Call Button "E".
- ⑥ Place the card key nearby the RF Receiver for deletion (the number of card registered decreases).
- ⑦ Press Cancel Button "X" as deletion is completed.

9-4. Checking RF Card registration status

- "P" - Management Password - "E" - 13 (number thirteen) - "E" - Place the card key nearby the RF Receiver to check registration status - "X"(Cancel)



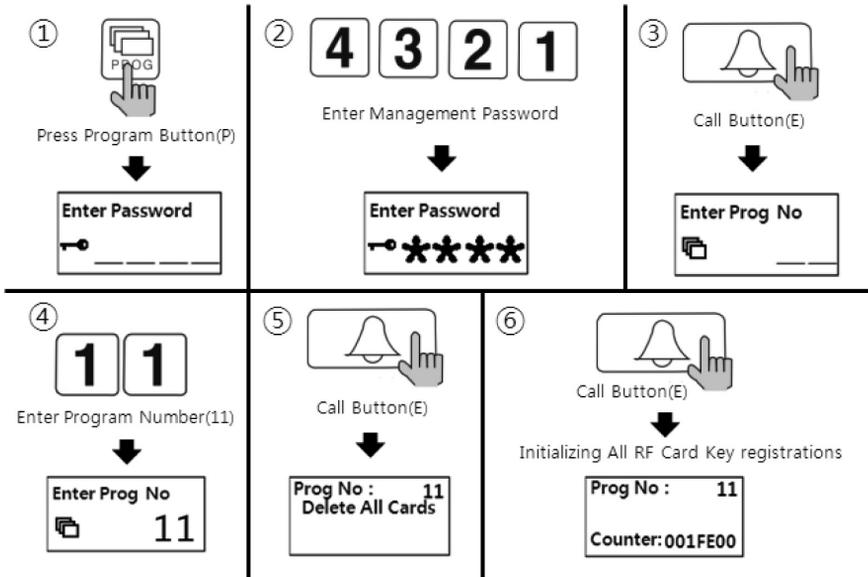
- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "13"(number thirteen).
- ⑤ Press Call Button "E".
- ⑥ Place the card key nearby the RF Receiver to check registration status (the RF Card number is displayed).
- ⑦ Press Cancel Button "X" as checking registration status is completed.

<References>

- "Already registered RF Card Key"
- "RF Card not registered"
- For both cases, RF Card number will be displayed.

9-5. Initializing All RF Card Key registrations

- "P" - Management Password - "E" - 11 (number eleven) - "E" - "E"
- When initializing is performed all of the registered RF Card Keys will be deleted.
Please be cautious to perform this function.



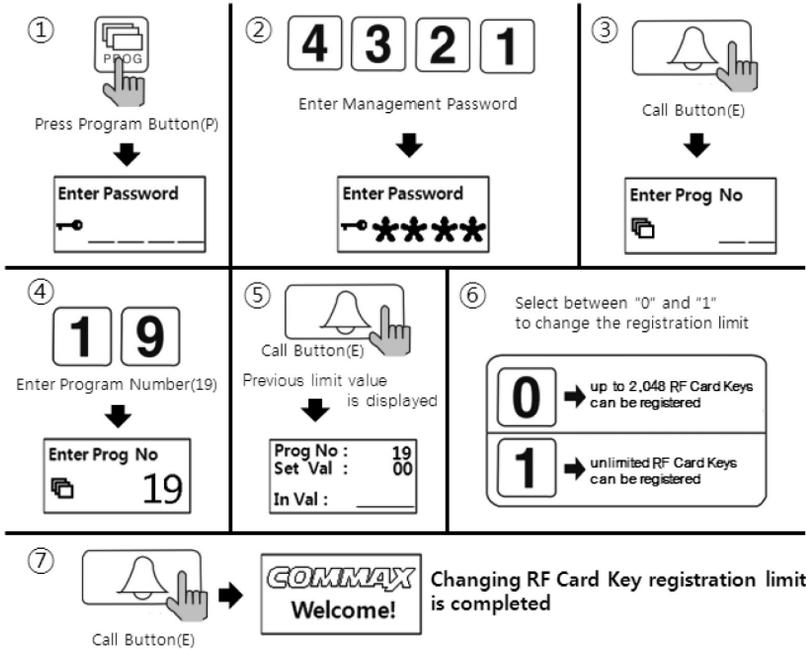
- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "11"(number eleven).
- ⑤ Press Call Button "E".
- ⑥ Press Call Button "E" once again.
The number of RF Card registration on the OLED display changes.
- ⑦ Press Cancel Button "X" as the initialization is completed.

<References>

Program number "23" execution with "1" mode should be selected before performing the above initialization. The RF Card Key initialization should be performed within 30 seconds after the Program number "23" execution.

9-6. Changing RF Card Key registration limit

- "P" - Management Password - "E" - 19 (number nineteen) - "E" - 0 (number zero) - "E" : up to 2,048 RF Cards can be registered.
- "P" - Management Password - "E" - 19 (number nineteen)- "E" - 1 (number one) - "E" : use this setting when SecuMAX is integrated (RF Card Key registration is unlimited).

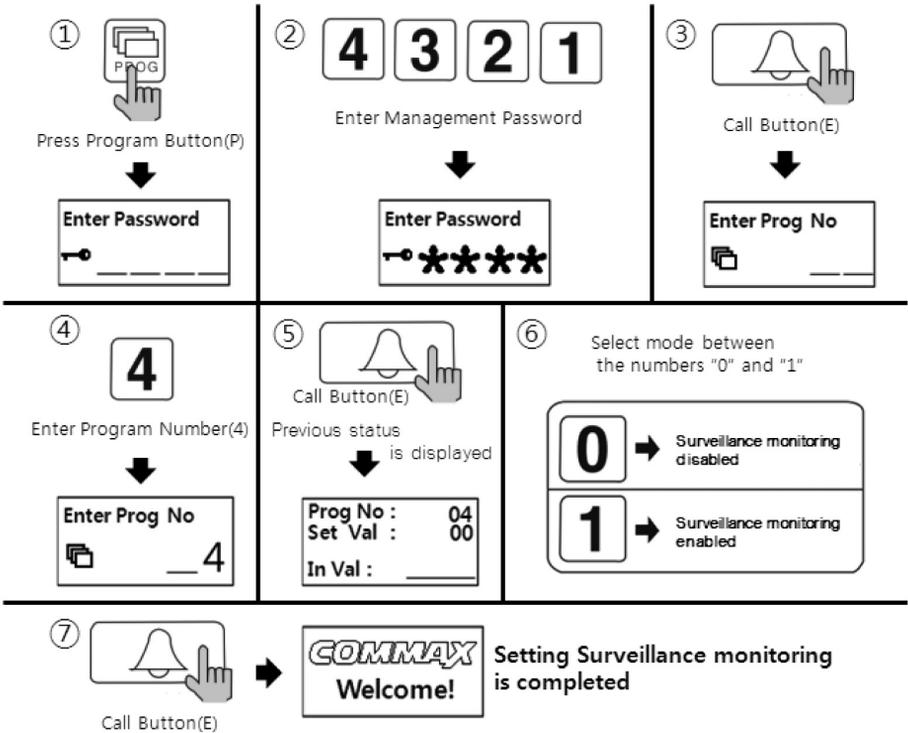


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "19"(number nineteen).
- ⑤ Press Call Button "E".
- ⑥ Select between "0" and "1" to change the registration limit.
(if "0" selected : up to 2,048 RF Card Keys can be registered)
(if "1" selected : unlimited RF Card Keys can be registered along with SecuMAX integration)
- ⑦ Press Call Button "E" as changing RF Card Key registration limit is completed.



10. Surveillance Monitor Setting

- "P" - Management Password - "E" - 4 (number four) - "E" - 0 (number zero)- "E" : Surveillance mode disabled.
- "P" - Management Password - "E" - 4 (number four) - "E" - 1 (number one) - "E" : urveillance mode enabled.
- This function enables a separate video output transmission from the lobby phone for monitoring the public entrance.

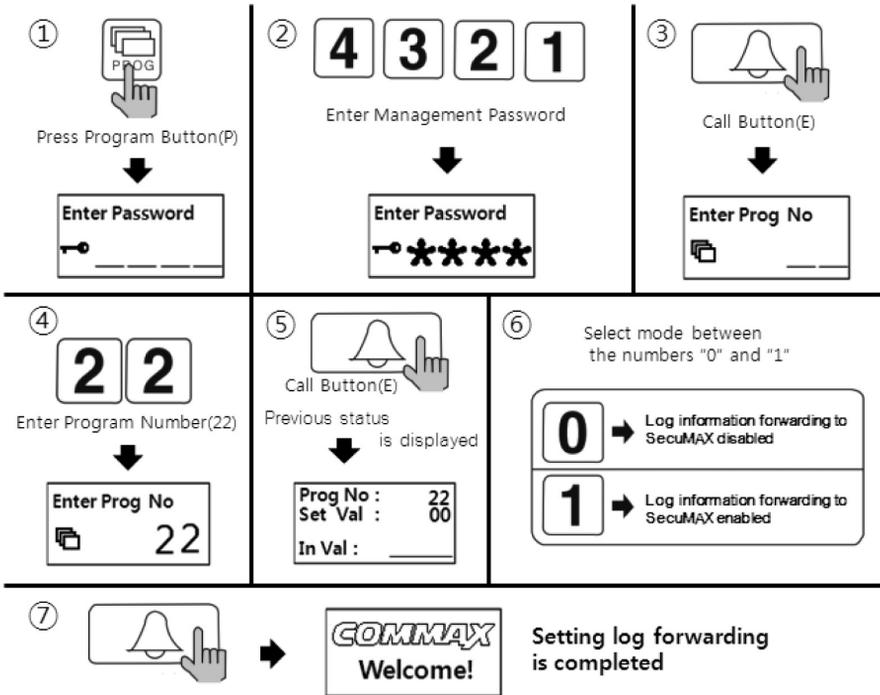


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "4"(number four).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(0 : Surveillance monitoring disabled)
(1 : Surveillance monitoring enabled)
- ⑦ Press Call Button "E".



11. Setting the Entrance Access Log Forwarding Function(to SecuMAX)

- "P" - Management Password - "E" - 22 (number twenty-two) - "E" - 0 (number zero) - "E" : Log forwarding to SecuMAX disabled.
- "P" - Management Password - "E" - 22 (number twenty-two)- "E" - 1 (number one) - "E" :Log forwarding to SecuMAX enabled.
- This function enables the log information in regards to the public entrance access to be forwarded to SecuMAX as an event record.

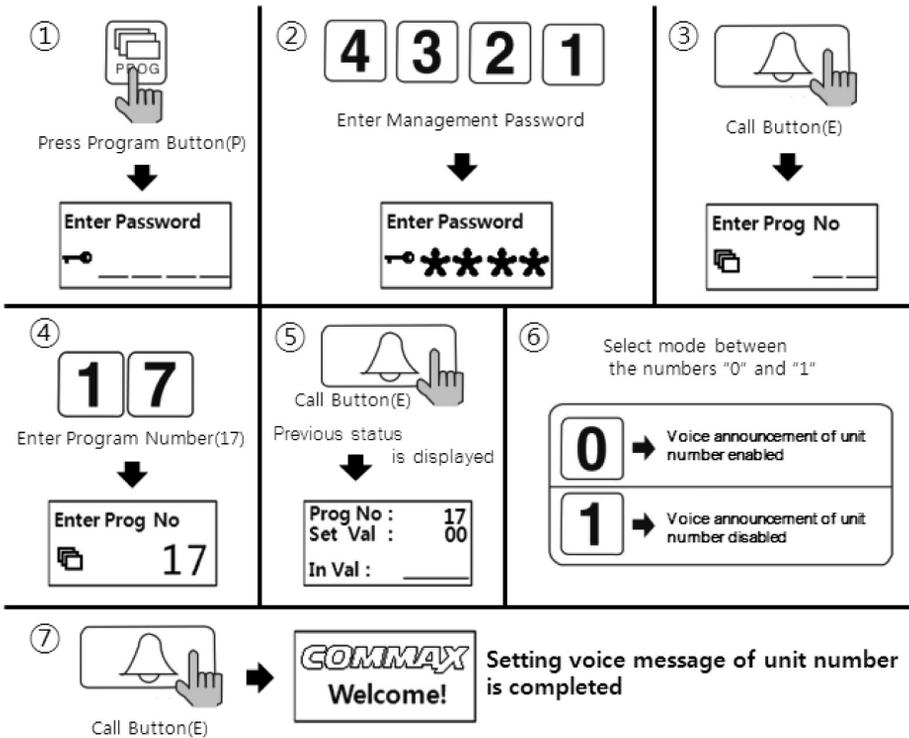


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "22"(number twenty-two).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
 (0 : Log information forwarding to SecuMAX disabled)
 (1 : Log information forwarding to SecuMAX enabled)
- ⑦ Press Call Button "E".



12. Setting the Voice Message of Unit Number

- "P" - Management Password - "E" - 17 (number seventeen) - "E" - 0 (number zero) - "E" : Voice Confirmation of Unit Number enabled.
- "P" - Management Password - "E" - 17 (number seventeen) - "E" - 1 (number one) - "E" : Voice Confirmation of Unit Number disabled.
- This function enables to select whether the voice confirmation of unit number to be announced or not.

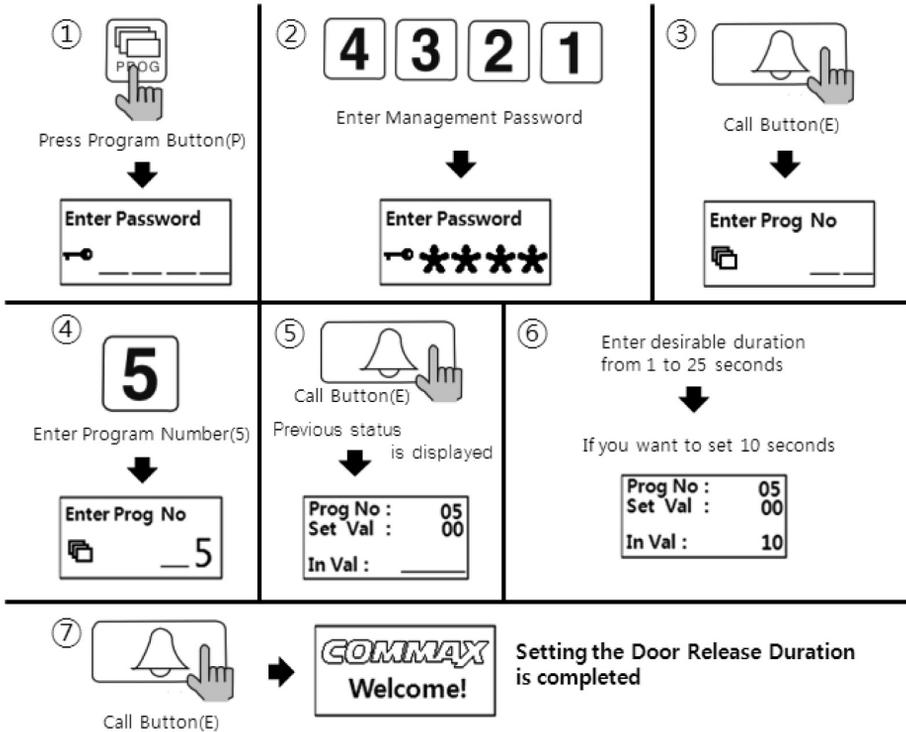


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "17"(number seventeen).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(0 : Voice announcement of unit number enabled)
(1 : Voice announcement of unit number disabled)
- ⑦ Press Call Button "E".



13. Setting the Door Release Duration

- "P" - Management Password - "E" - 5 (number five) - "E" - Door Release Duration - "E"
- This function adjusts the duration of door release.

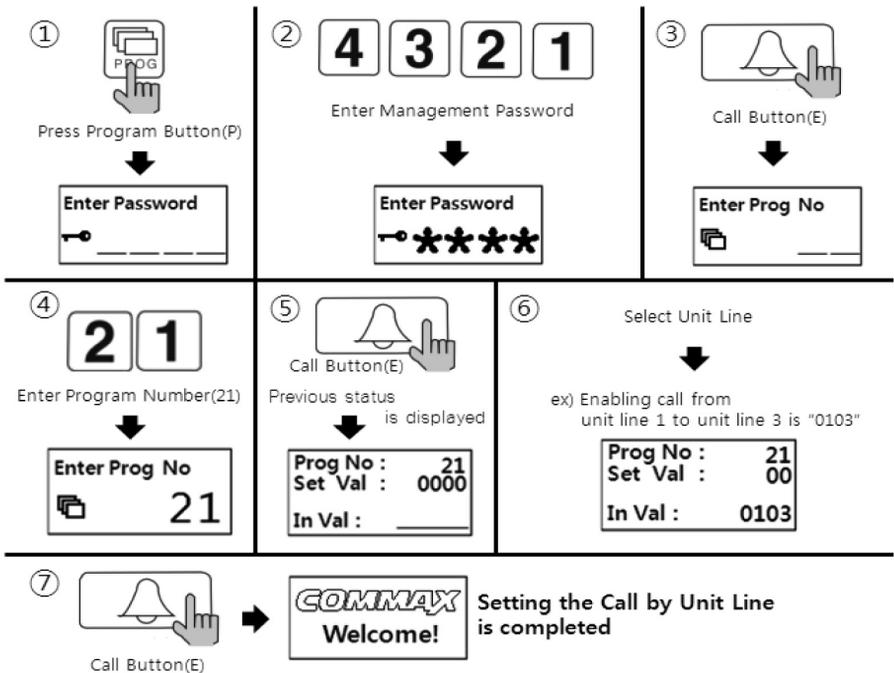


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "5"(number five).
- ⑤ Press Call Button "E".
- ⑥ Enter desirable duration from 1 to 25 seconds.
For "0" second input, the duration will be 1 second.
- ⑦ Press Call Button "E".



14. Setting the Call by Unit Line.

- "P" - Management Password - "E" - 21 (number twenty-one) - "E" - 0 (number zero) - "E" : Calling all units enabled (not a simultaneous call).
- "P" - Management Password - "E" - 21 (number twenty-one) - "E" - Unit Line - "E" : Calling only the registered unit line enabled.
 - Unit Line 01 means all units end with number "1", i.e. Unit# 101,201, 301...1201.
 - Unit Line 02 means all units end with number "2", i.e. Unit# 102, 202, 302...1202.
 - Unit Line 1~2 means all units end with number "1" and "2". The input value will be "0102" for setting.
- This function is useful to limit the call access by the location of entrances.

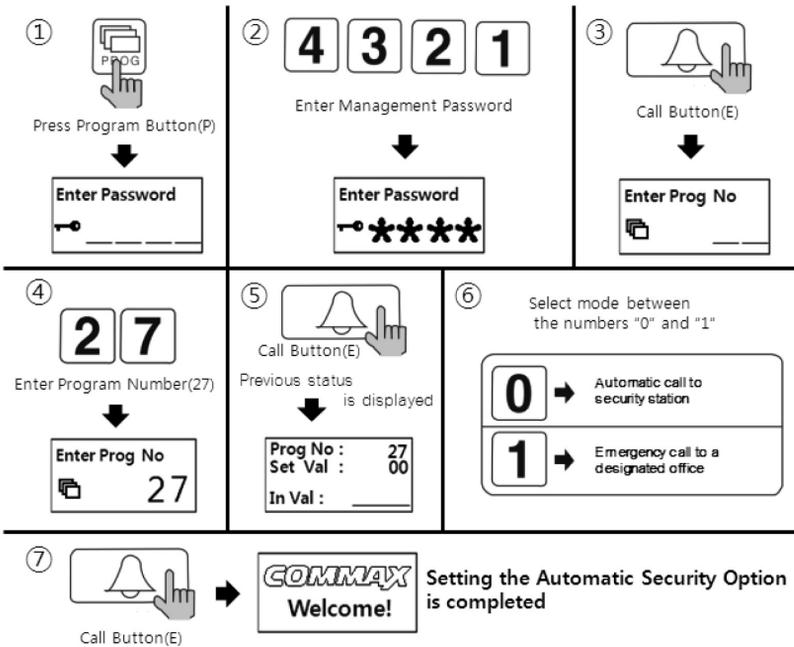


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "21" (number twenty-one).
- ⑤ Press Call Button "E".
- ⑥ Select Unit Line.
Ex. Enabling call from unit line 1 to unit line 3 is "0103".
- ⑦ Press Call Button "E".



15. Setting the Automatic Security Call or Emergency Call Option.

- "P" - Management Password - "E" - 27 (number twenty-seven) - "E" - 0 (number zero) - "E" : Automatic Security Call in case that RF Card Key recognition failure or Password failure for more than 3 times.
- "P" - Management Password - "E" - 27 (number twenty-seven) - "E" - 1 (number one) - "E" : Emergency Call to designated office.
- This function enables an automatic call to security office when there is a RF Card recognition failure more than 3 times. The emergency call is directed to a designated station or office that is connected to the system.

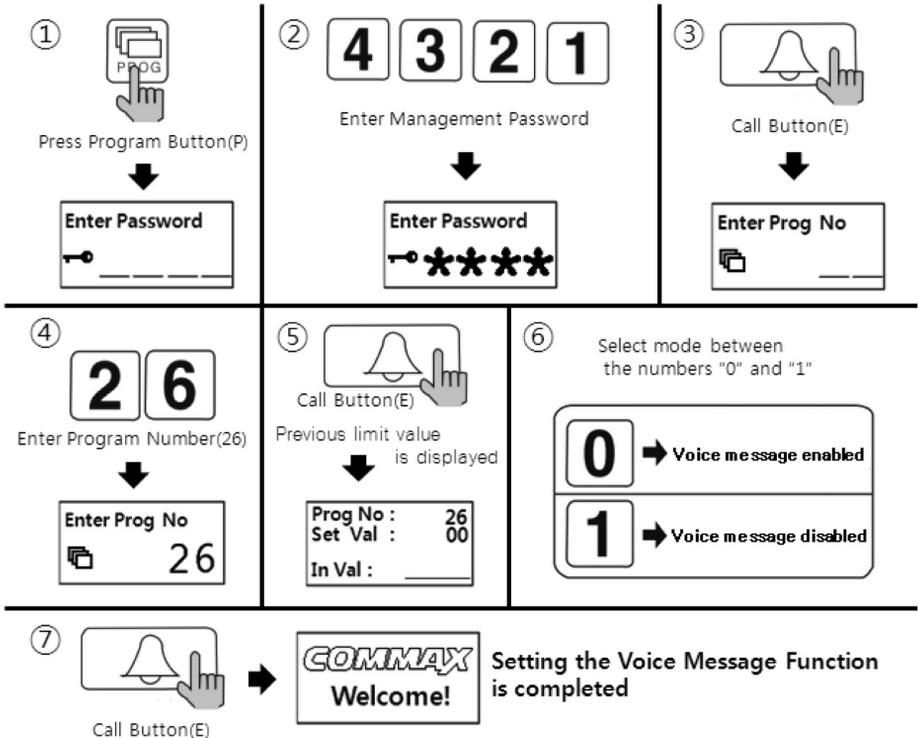


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "27"(number twenty-seven).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(0 : Automatic call to security station)
(1 : Emergency call to a designated office)
- ⑦ Press Call Button "E".



16. Selecting Call Ring Option

- "P" - Management Password - "E" - 7 (number seven)- "E" - 0 (number zero) - "E" : MELODY selected
- "P" - Management Password - "E" - 7 (number seven)- "E" - 1 (number one) - "E" : Phone ring selected
- This function sets the call ring when a call is made at the public entrance.

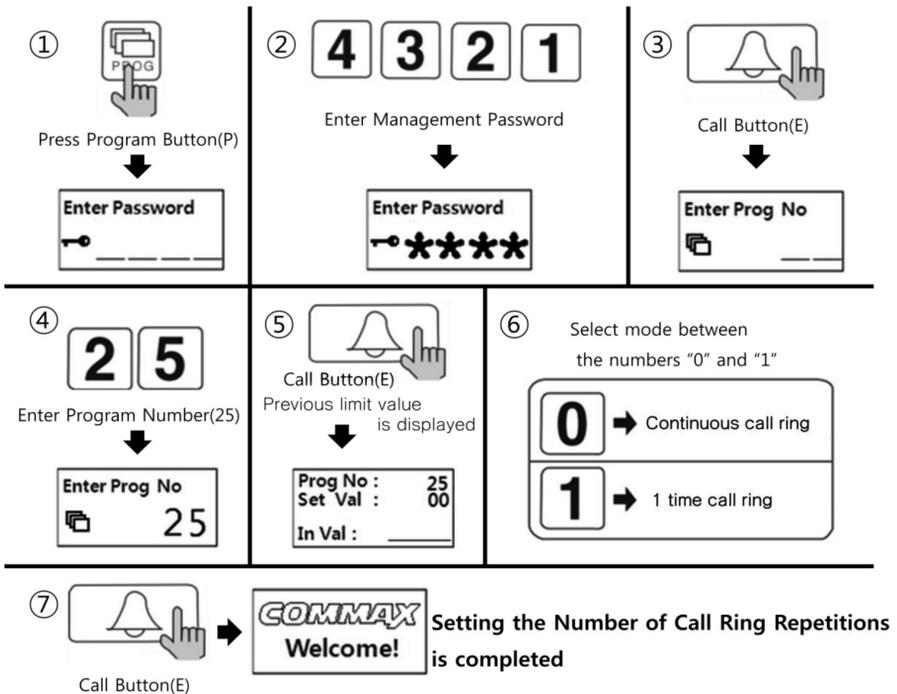


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "26"(twenty-six).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1"
(0 : Voice message enabled)
(1 : Voice message disabled)
- ⑦ Press Call Button "E".



17. Setting the Number of Call Ring Repetitions

- "P" - Management Password - "E" - 25 (number twenty-five) - "E" - 0 (number zero) - "E" : Continuous call ring enabled until connected.
- "P" - Management Password - "E" - 25 (number twenty-five) - "E" - 1 (number one) - "E" : 1 time Call ring enabled.
- This function sets the number of call ring repetition when a call is made to any households or security office.

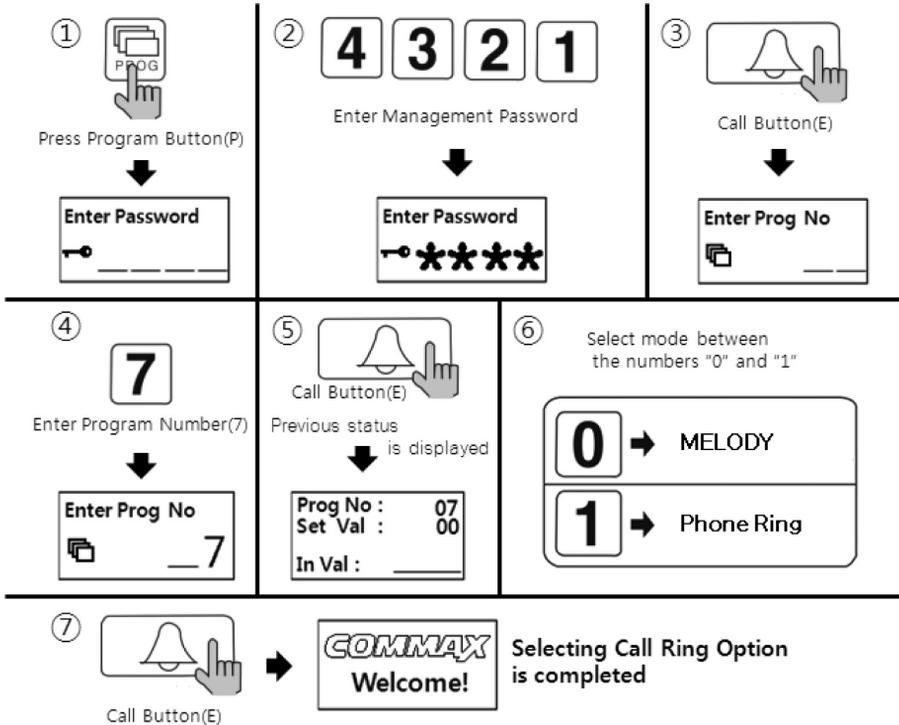


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "25"(number twenty-five).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers between "0" and "1"
(0 : Continuous call ring)
(1 : 1 time call ring)
- ⑦ Press Call Button "E".



18. Setting the Voice Message Function

- "P" - Management Password - "E" - 26 (number twenty-six) - "E" - 0 (number zero) - "E" : Voice message enabled.
- "P" - Management Password - "E" - 26 (number twenty-six) - "E" - 1 (number one) - "E": Voice message disabled.
- This function enables/disables the Voice Message Function of DRC-701LC/RF1.

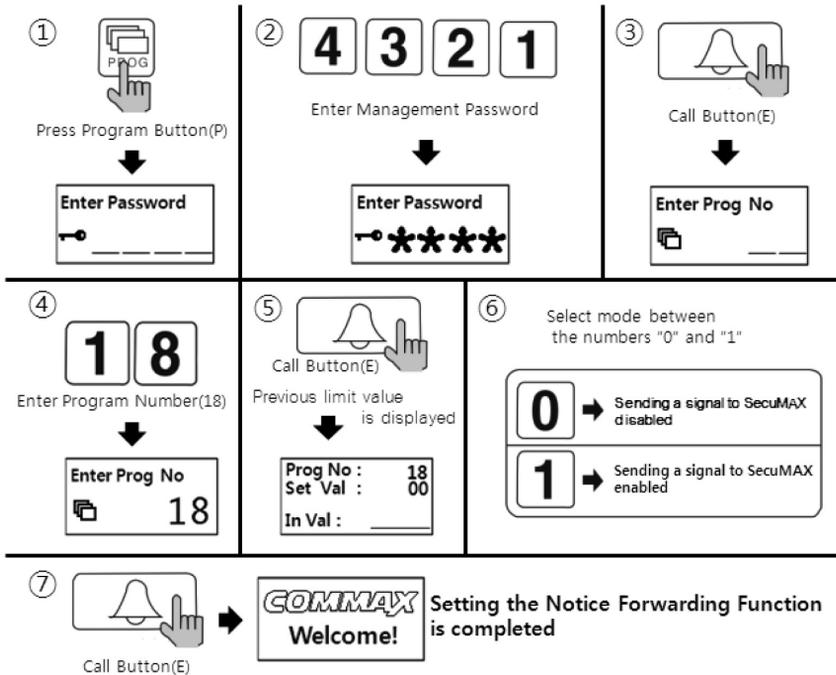


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "7"(number seven)
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(0 : MELODY)
(1 : Phone ring)
- ⑦ Press Call Button "E".



19. Setting the Notice Forwarding Function to SecuMAX when the door released from outside

- "P" - Management Password - "E" - 18 (number eighteen) - "E" - 0 (number zero) - "E" : Sending a signal to SecuMAX disabled.
- "P" - Management Password - "E" - 18 (number eighteen) - "E" - 1 (number one) - "E" : Sending a signal to SecuMAX enabled.
- "This function enables to send a notice (signal) to SecuMAX as the door released from outside.

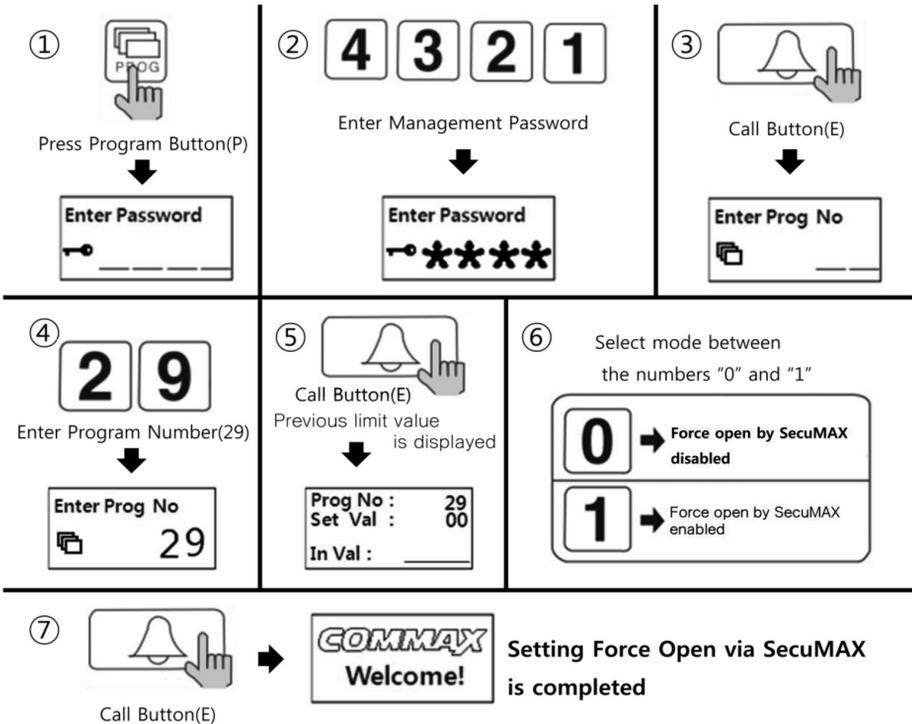


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "18"(number eighteen).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(0 : Sending a signal to SecuMAX disabled)
(1 : Sending a signal to SecuMAX enabled)
- ⑦ Press Call Button "E".



20. Setting Force Open via SecuMAX

- "P" - Management Password - "E" - 29 (number twenty-nine) - "E" - 0 (number zero) - "E" : Force open by SecuMAX disabled.
- "P" - Management Password - "E" - 29 (number twenty-nine) - "E" - 1 (number one) - "E" : Force open by SecuMAX enabled.

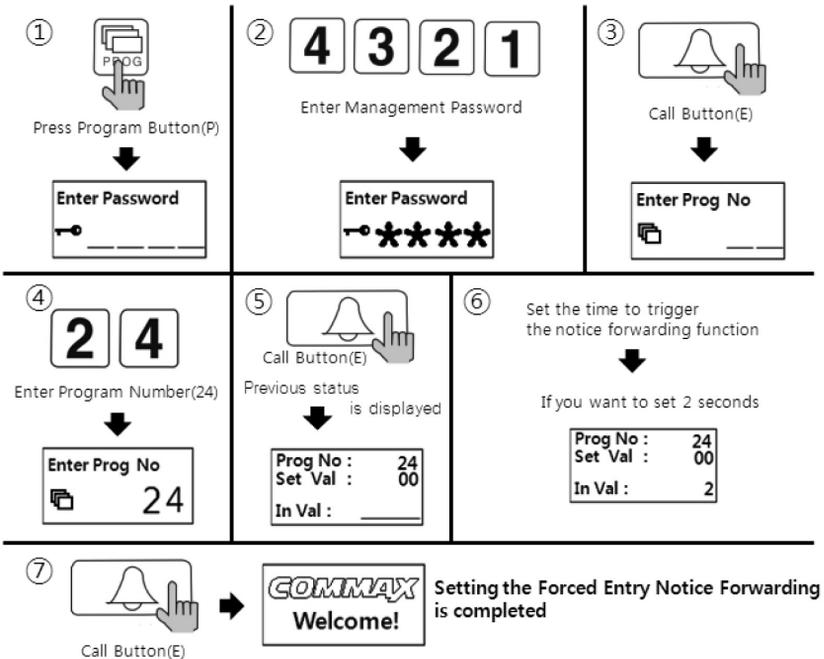


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "29"(number twenty-nine).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(0 : Force open by SecuMAX disabled)
(1 : Force open by SecuMAX enabled)
- ⑦ Press Call Button "E".



21. Setting the Forced Entry Notice Forwarding to SecuMAX

- "P" - Management Password - "E" - 24 (number twenty-four) - 0 (number zero) - "E" : Disabled
- "P" - Management Password - "E" - 24 (number twenty-four) - 1 (number one) - "E" : Enabled: Set time (1 second longer than normal door opening duration).
- This function is to set the time to trigger the "forced entry" notice forwarding function.
- The normal door opening duration is from 0 to 25 seconds. The "forced entry" notice forwarding trigger time shall be set 1 second longer than the normal door opening duration.
- As the forced entry detected, the notice will be sent 2 seconds later.

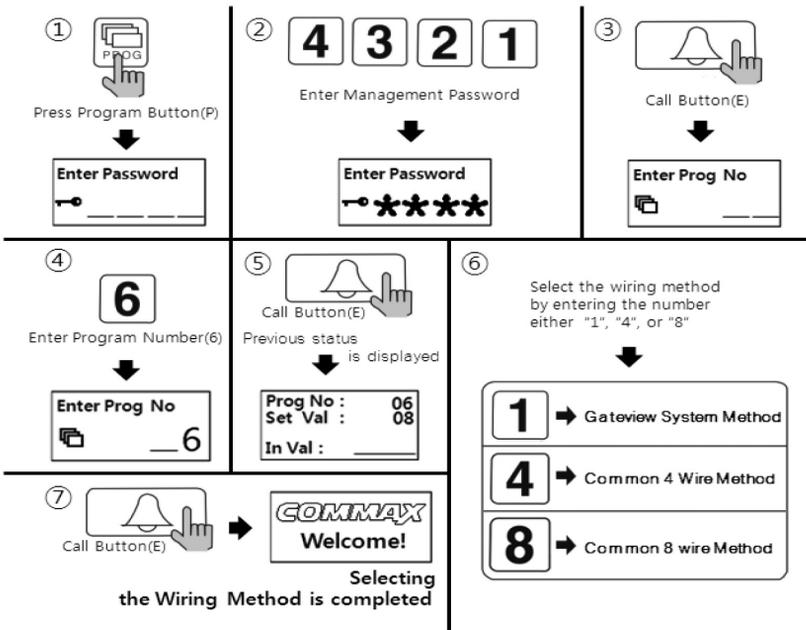


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "24"(number twenty-four).
- ⑤ Press Call Button "E".
- ⑥ Set the time to trigger the notice forwarding function.
(from 0 to 25 seconds : if "0" entered, it will trigger the notice after "1" second)
- ⑦ Press Call Button "E".



22. Selecting the Wiring Method

- "P" - Management Password - "E" - 6 (number six) - "E" - 1 (number one) - "E" : Gateview method (UTP)
- "P" - Management Password - "E" - 6 (number six) - "E"- 4 (number four) - "E" : Common 4 Wire Method (Common 12 Wire).
- "P" - Management Password - "E" - 6 (number six) - "E" - 8 (number eight) - "E" : Common 8 Wire Method.
- If common 8 wire method selected, there will be no video signal sent to all household units.

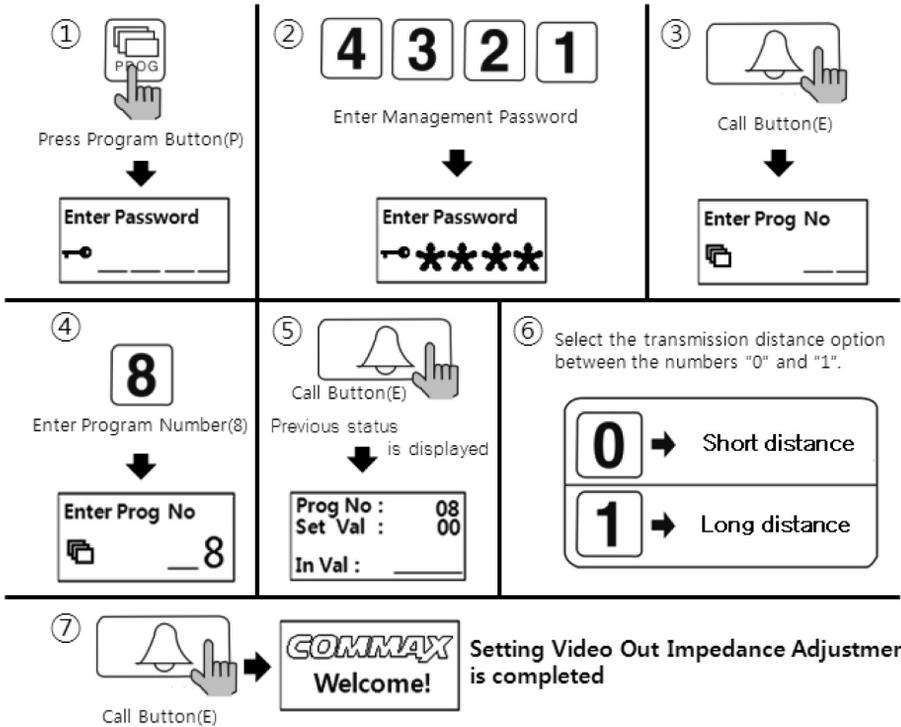


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "6"(number six).
- ⑤ Press Call Button "E".
- ⑥ Select the wiring method by entering the number either "1", "4", or "8".
 - (1: Gateview System Method)
 - (4 : Common 4 Wire Method)
 - (8 : Common 8 wire Method)
- ⑦ Press Call Button "E".



23. Video Out Impedance Adjustment Setting

- "P" - Management Password - "E" - 8 (number eight) - "E" - 0 (number zero) - "E" : Short distance transmission.
- "P" - Management Password - "E" - 8 (number eight) - "E" - 1 (number one) - "E" : Long distance transmission.
- Factory default is set as "short distance transmission".

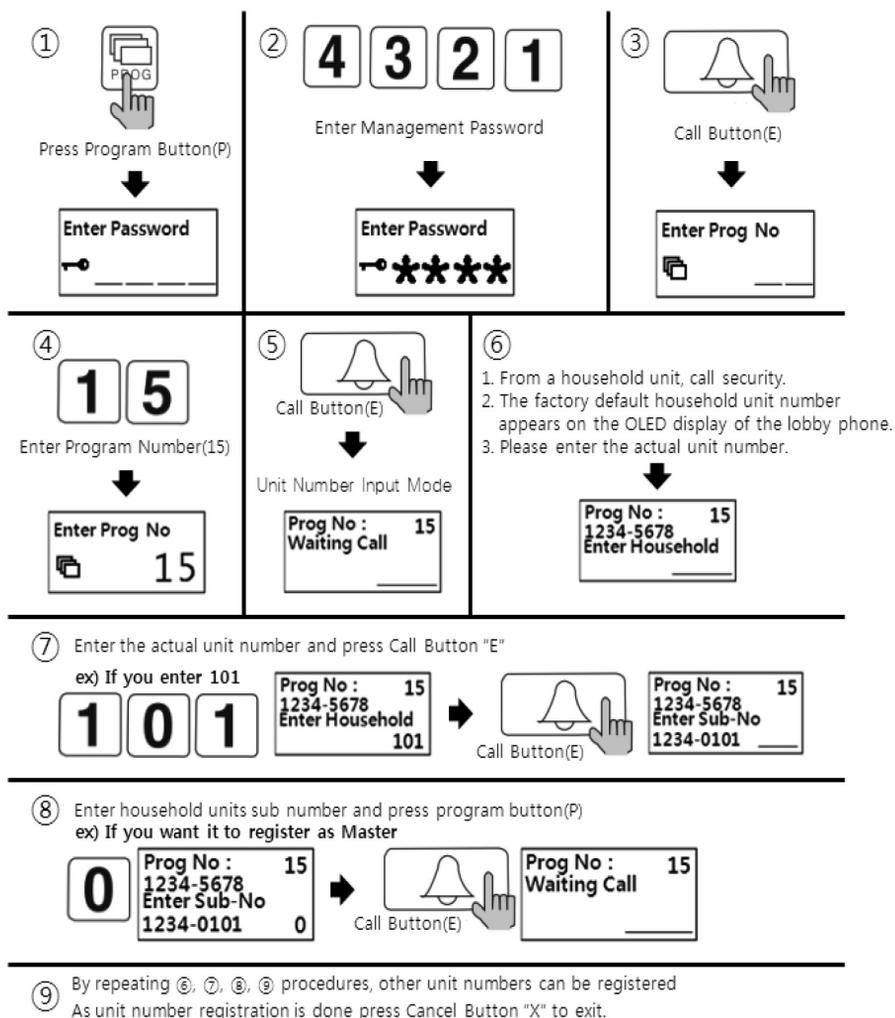


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "8"(number eight).
- ⑤ Press Call Button "E".
- ⑥ Select the transmission distance option between the numbers "0" and "1".
(0 : Short distance)
(1 : Long distance)
- ⑦ Press Call Button "E".



24. Registration of Household Unit Number

- "P" - Management Password - "E" - 15 (number fifteen) - "E" - Call Security from the monitor - Unit number - "E" - 0 (number zero or corresponding lobby phone number) - "E"
- This method applies to the case that there is no security station installed. Calling security from the monitor will direct the call to the lobby phone. Household Unit Number can be set at the lobby phone.



- ① Press Program Button "P".
- ② Press Management password.
- ③ Press Call Button "E".
- ④ Press "15" (number fifteen).
- ⑤ Press Call Button "E".
- ⑥ From a household unit, call security. The factory default household unit number appears on the OLED display of the lobby phone. Please Press the actual unit number.
- ⑦ Enter the actual unit number and press Call Button "E".
- ⑧ Enter "0"(0 is Master lobby phone number. If multiple lobby phones are installed, please enter the corresponding lobby phone number) and press Call Button "E".
- ⑨ On the OLED display, the unit number input mode appears.
- ⑩ By repeating 6, 7, 8, 9 procedures, other unit numbers can be registered.
- ⑪ As unit number registration is done press Cancel Button "X" to exit.

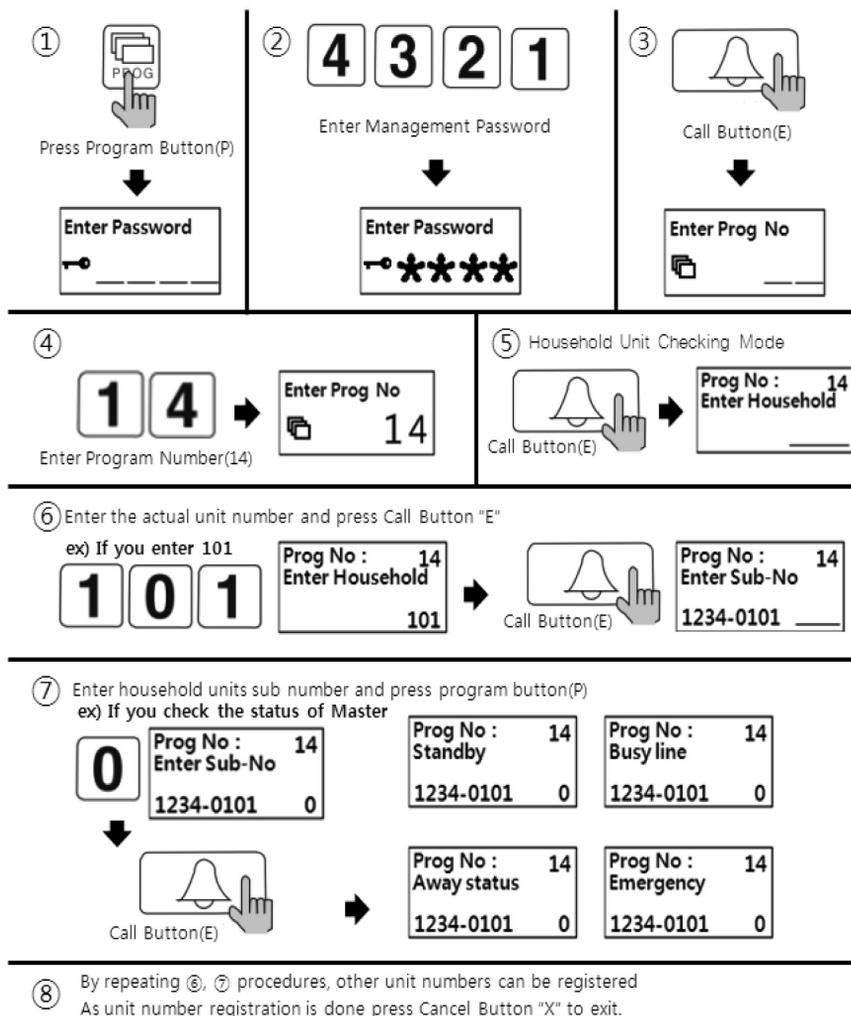
<References>

- Master-videophone's "Multi Sub Number" is number 0 (zero).
- Sub-videophone's "Multi Sub Number" is given between 1 and 9.
- Up to 10 videophones can be installed in a single household unit and the "Multi Sub Numbers" shall not be overlapped.
- "Multi Sub Numbers" for sub-videophones shall be registered in numerical order.
- At least one Master-videophone with "Multi Sub Number 0" must be installed and if only one videophone is installed, it is considered as Master-videophone (set as Multi Sub Number 0).
- In case that ADT-481 is installed, it does not register as Master unit.
- If sub-videophone is 485 system, its Master-videophone's Multi Sub Number is 1 (one) and those of sub-videophones are between 2 and 9.



25. Checking Videophone Status of Household Units

- "P" - Management Password - "E" - 14 (number fourteen) - "E" - Unit Number- "E" - 0 (number zero as Master lobby phone or enter a corresponding lobby phone number) - "E"
- This function is to check the status of videophones installed in each household unit.



- ① Press Program Button "P".
- ② Press Management Password.
- ③ Press Call Button "E".
- ④ Press "14"(number fourteen).
- ⑤ Press Call Button "E".
- ⑥ Enter the Unit Number and press Call Button "E".
- ⑦ Enter "0"(number zero as Master lobby phone or enter a corresponding lobby phone number) and press Call Button "E". Status of the household unit appears (Please refer to below for the status).
- ⑧ To check another unit status, repeat 6 & 7 procedures.
- ⑨ As the status check is done press Cancel Button "X" to exit.

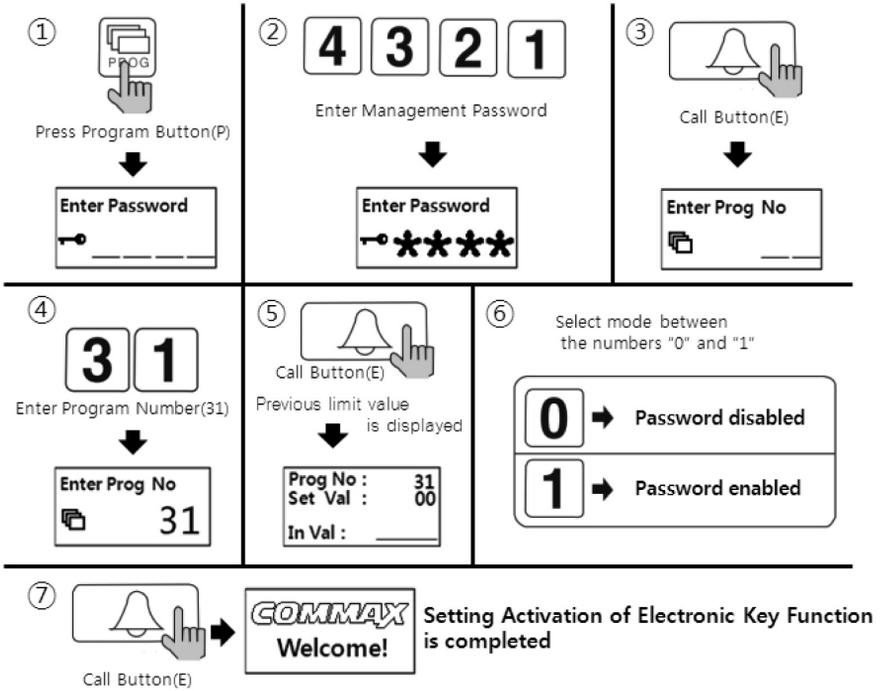
Status of household unit indication

- Standby : standby mode (applies even when the household unit monitor is communicating with an individual door phone of the unit or via telephone line).
- Busy Line : Busy mode (applies when the household unit monitor is communicating with another household unit or security station).
- Away status : Away mode
- Emergency : in case of emergency (emergency, fire, gas leak, burglar)
- Error : Communication failure/error (Please check the unit's videophone).



26. Activation of Electronic Key (Password) Function

- "P" - Management Password - "E" - 31 (number thirty-one) - 1 (number one) - "E" :
Electronic Key (Password) enabled.
- "P" - Management Password - "E" - 31 (number thirty-one) - 0 (number zero) - "E" :
Electronic Key (Password) disabled.
- This function is to enable or disable the password access.

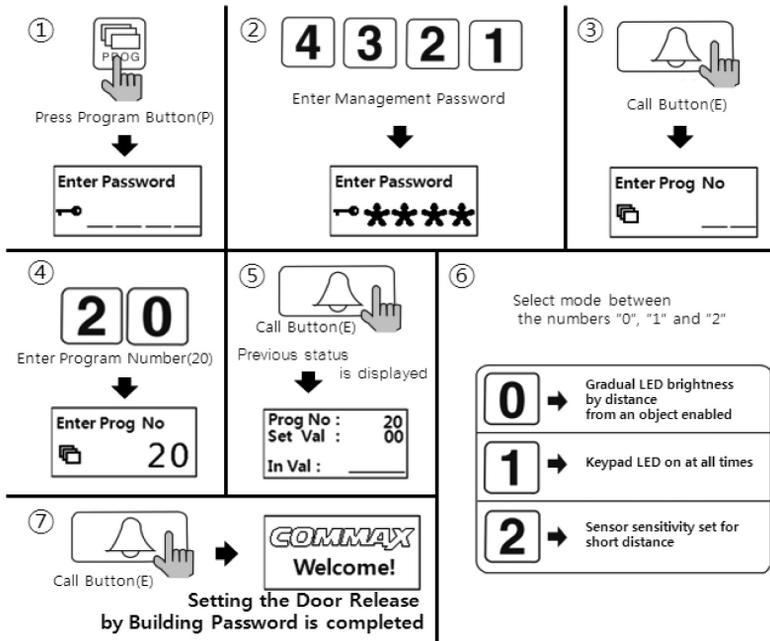


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "31"(number thirty-one).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(1 : Password enabled)
(0 : Password disabled)
- ⑦ Press Call Button "E".



27. Setting the Keypad LED Option

- "P" - Management Password - "E" - 20 (number twenty) - 0 (number zero) - "E" : Automatic brightness control by proximity sensor enabled (LED gets brighter gradually as an object is getting closer to the lobby phone).
- "P" - Management Password - "E" - 20 (number twenty) -1 (number one) - "E" : Automatic brightness control disabled and LED on at all time.
- "P" - Management Password - "E" - 20 (number twenty) - 2 (number two) - "E" : the sensitivity of the proximity sensor is set to short range

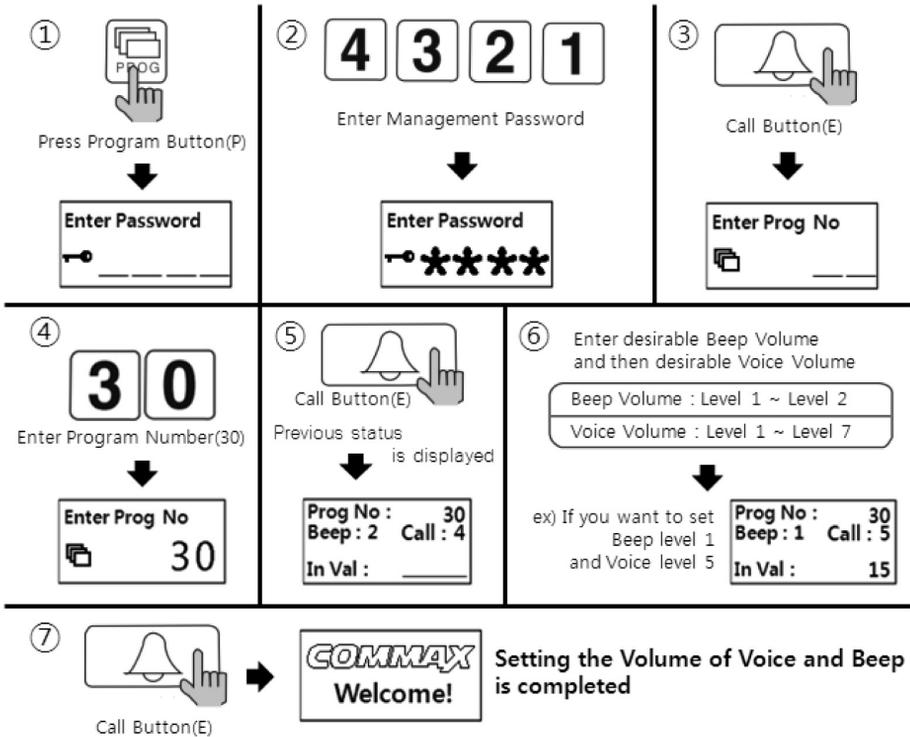


- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "20"(number twenty).
- ⑤ Press Call Button "E".
- ⑥ Select mode by numbers "0", "1", or "2".
(0 : Gradual LED brightness by distance from an object enabled)
(1 : Keypad LED on at all times)
(2 : Sensor sensitivity set for short distance)
- ⑦ Press Call Button "E".



28. Setting the Volume of Voice and Beep Sound

- "P" - Management Password - "E" - 30 (number thirty) - "E" - Beep Volume (1~2) - Voice Volume (1~7) - "E"
- This function enables the adjustment of Beep & Voice volume.



- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "30"(number thirty).
- ⑤ Press Call Button "E".
- ⑥ Enter desirable Beep Volume (1~2) and then desirable Voice Volume (1~7).
- ⑦ Press Call Button "E".

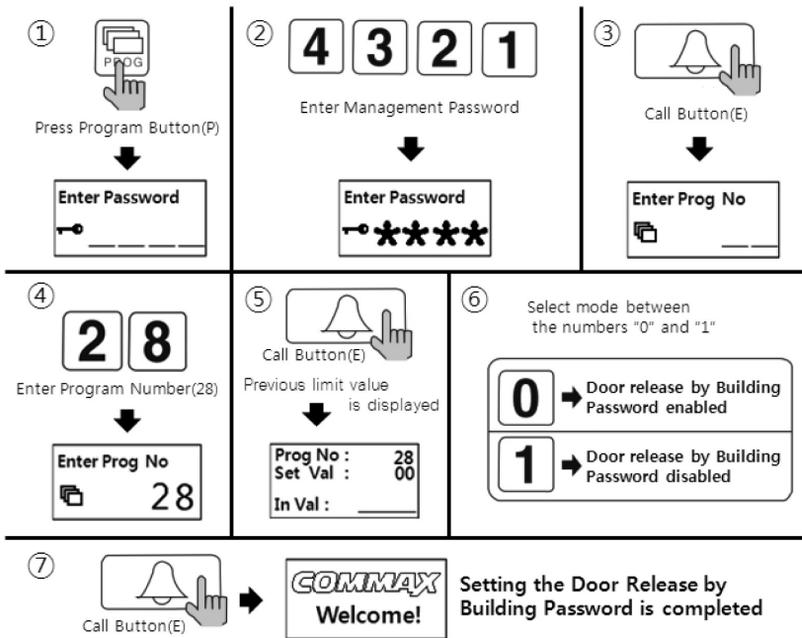
<References>

- Beep sound volume applies to paging tone, button sound tone, and voice message.



29. Setting the Door Release by Building Password

- "P" - Management Password - "E" - 28 (number twenty-eight) - 1 (number one) - "E" : Door release by Building Password enabled.
- "P" - Management Password - "E" - 28 (number twenty-eight) - 0 (number zero) - "E" : Door release by Building Password disabled.
- This function enables the door release by Building Password.
- This function provides least security to the access of the entrance since the password is being shared among number of people. Please keep the security of Building Password strictly and/or change the Building Password periodically.



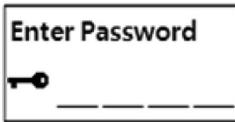
- ① Press Program Button "P".
- ② Enter Management Password.
- ③ Press Call Button "E".
- ④ Enter "28"(number twenty-eight).
- ⑤ Press Call Button "E".
- ⑥ Select mode between the numbers "0" and "1".
(1 : Door release by Building Password enabled)
(0 : Door release by Building Password disabled)
- ⑦ Press Call Button "E".

29-2. Using a door release by Building Password function.

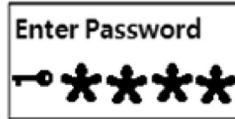
- ① Press Call Button "E"



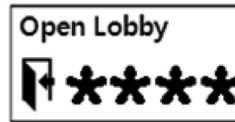
Call Button(E)



- ② Enter Building Password



- ③ Door released

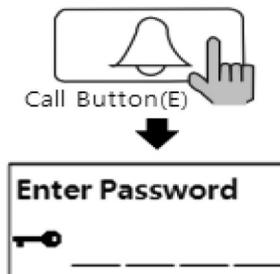


30. How to make a Unit-to-Unit Call

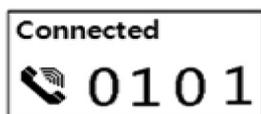
- ① Enter the Unit Number that you wish to call



- ② Press Call Button "E"

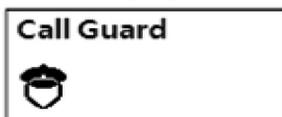


- ③ Talk as answered

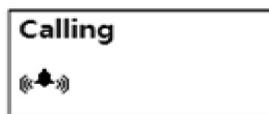
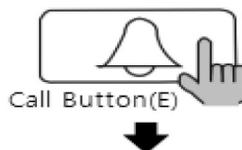


31. How to make a call to Security Station

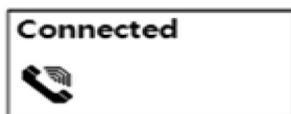
- ① Press Security Button



- ② Press Call Button "E"



- ③ Talk as answered

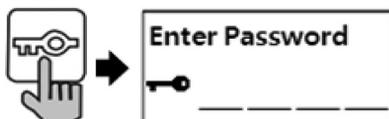


32. Door Release by Unit Password (Refer to 4-3)

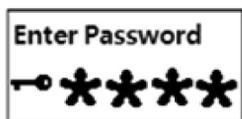
① Enter the Unit Number



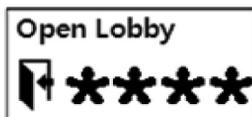
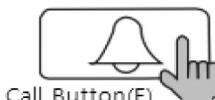
② Press "Key" Button



③ Enter the Unit Password

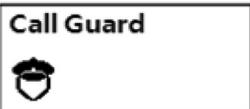


④ Press Call Button "E"

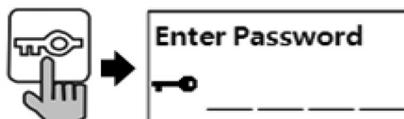


33. Door Release by Building Password or Management Password

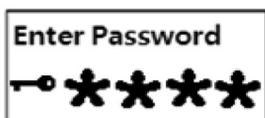
① Press Security Button



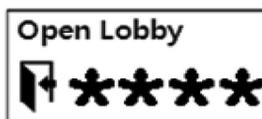
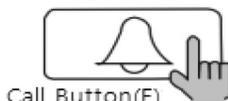
② Press "Key" Button



③ Enter Building Password or Management Password



④ Press Call Button "E"





34. Supplement (Programming Summary)

Setting Passwords

1. P-Previous Management Password-E-0-E- New Management Password-E : Management Password Registration.
2. P-Previous Management Password-E-0-E-New Management Password-E : Managementpassword Registration.
3. P-Previous Building Password-E-1-E-New Building Password-E : Building Password Registration
4. K-20-E-Household Unit Number-E-Previous Unit Password-E-New Unit Password-E : Unit Password Registration
5. P-Management Password-E-16-E-Unit Number-E : Retrieving Unit Password

Retrieving Unit Information

1. P-Management Password-E-14-E : Checking the unit's interphone status
2. P-Management Password-E-15-E : Unit Number Registration

Building number, Lobby phone number, and Door release function Settings

1. P-Management Password-E-2-E-Building Number-E : Building Number Registration
2. P-Management Password-E-3-E-Lobby Phone Number-E : Lobby Phone Number Registration
3. P-Management Password-E-28-E : Door Release Function enabled / disabled (00 : Disabled, 01 : Enabled)
4. P-Management Password-E-31-E : Electronic Key (Password) enabled / disabled (00 : Disabled, 01 : Enabled)

RF Card Key Programming

1. P-Management Password-E-9-E : RF Card Key Tesing
2. P-Management Password-E-10-E : RF Card Key Registration
3. P-Management Password-E-11-E : All RF Card Keys Initialization
4. P-Management Password-E-12-E : Deletion an individual RF Card Key
5. P-Management Password-E-13-E : RF Card Key Registration Confirmation

Door Release by Password

1. G-K-Management Password-E : by Management Password
2. Unit Number-K-Unit Password-E : by Unit Password.
3. E-Building Password : by Building Password

How to make a unit call and security station call from a lobby phone

1. Enter unit number - E
2. Press G - E

SecuMAX Setting

1. P-Management Password-E-18-E : Entrance from external reported to SecuMAX (00: disabled, 01: enabled)
2. P-Management Password-E-22-E : Entrance from internal reported to SecuMAX (00: disabled, 01: enabled)
3. P-Management Password-E-29-E : Forced entry reported to SecuMAX (00: disabled, 01:enabled)

Other settings

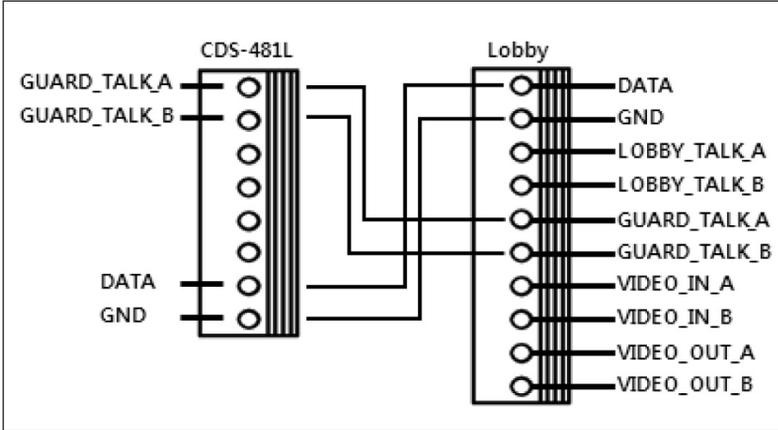
1. P-Management Password -E-4-E : Surveillance Monitor Setting (00: disabled, 01: enabled)
2. P-Management Password -E-5-E : Door Release Duration Setting
3. P-Management Password -E-6-E : Selecting Wiring Methods
(01: Gateview, 04: Common 4 wires, 08:Common 8 wires)
4. P-Management Password -E-7-E : Selecting Call Rings (00:MELODY, 01:BELL)
5. P-Management Password -E-8-E : Setting Video Out Impedance
(00: Short range, 01: Long range)
6. P-Management Password -E-17-E : Setting Voice Message of Unit Number
(00: enabled, 01: disabled)
7. P-Management Password -E-21-E : Setting the Call by Unit Line
8. P-Management Password -E-24-E : Setting the Forced Entry Notice Forwarding Function
9. P-Management Password -E-25-E : Setting the number of Call Rings (00: continuous, 01: once)
10. P-Management Password -E-26-E : Setting the Voice Message Function
(00: enabled, 01: diabled)
11. P-Management Password -E-27-E : Setting the Automatic Security Call/Emergency Call
(00: Automatic, 01: Emergency)
12. P-Management Password -E-30-Beep Volume-Voice Volume-E : Setting the Volume of Voice and Beep Sound



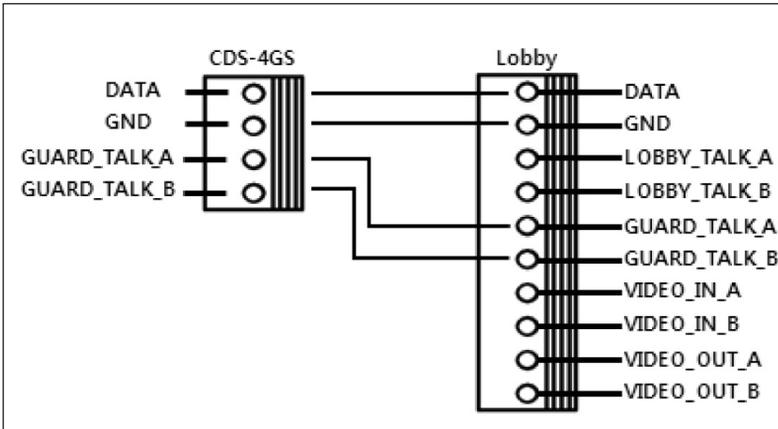
35. Wiring Method

1) Security Station Phone

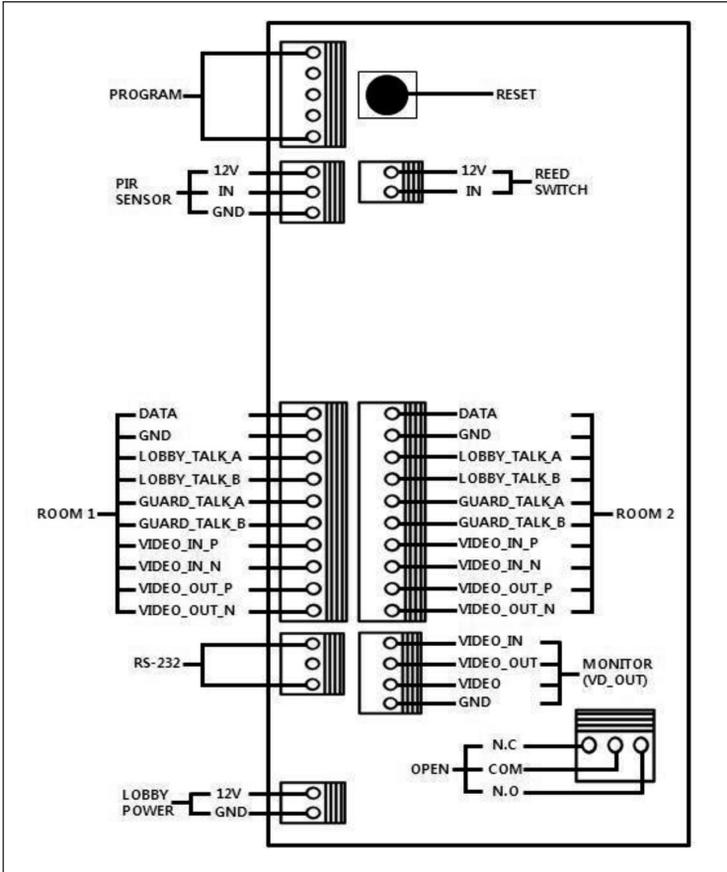
CDS-481L



CDS-4GS



2) Lobby Phone (DRC-701L Series)



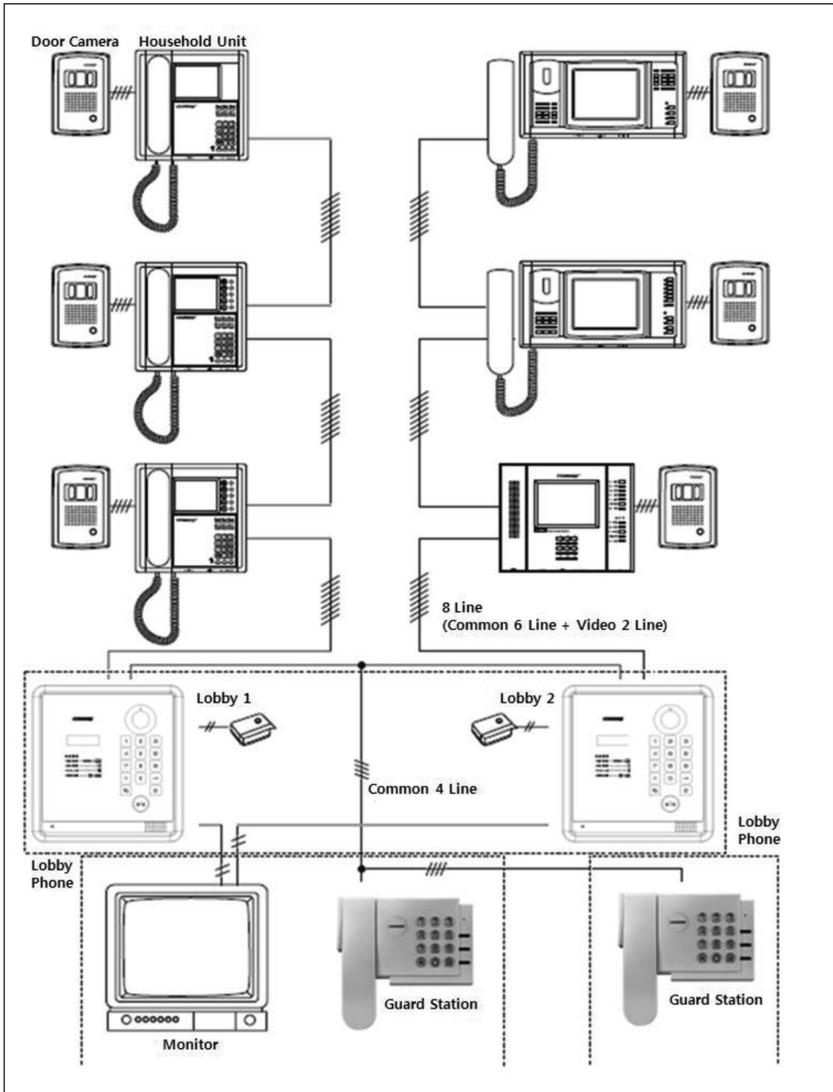
• Security

- ① Power Source : DC 12V.
- ② When not in use, must be connected.
- ③ When the door is forced open, the access notice will be sent to the designated security center (SecuMAX).

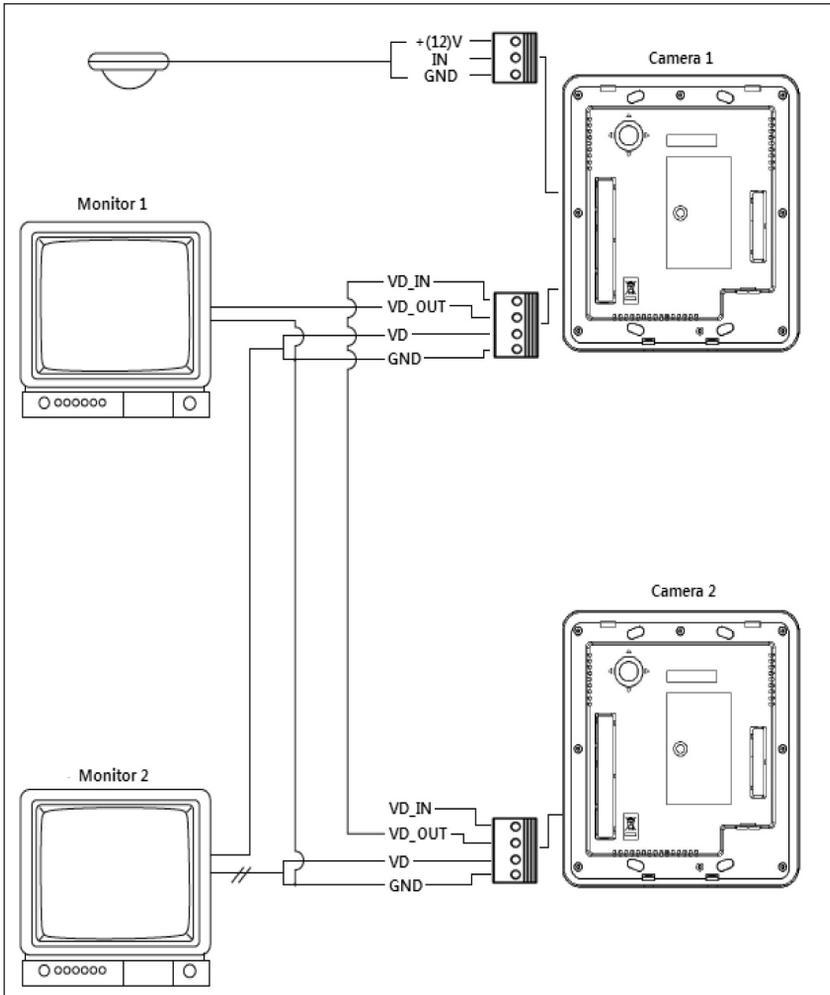
<Caution>

- If installed outdoor, it requires extra molding for water-proof and rainshield.

3) System Diagram



4) Wiring Method for CCTV and Sensor Connection



36. Miscellaneous

※ Please carefully read this User's Guide before calling service man After checking the entire check list, please contact customer service center. We will do our best to make you satisfy with our services.

37. Part list

Item	Description	Q'ty
CONN. 2PX300	Wiring Connector	2
CONN.3P(3.96)X250	Wiring Connector	1
CONN.3PX300	Wiring Connector	1
CONN. 4PX300	Wiring Connector	1
CONN. 10PX300	Wiring Connector	2
SCREW FHM 4X50 ZnY	Bracket + Flush Mount Bracket	4
SCREW PHM 3X8	ZnY Bracket + Bottom Case	2
STICKER (BRAILLE)	Number 5 button (Braille type)	1

38. Specifications and Features

Installation	Flush Mount Type installation			
Model	DRC-701LC, DRC-701LC/RF1			
Wiring	Gateview System (UTP Cable) Household unit monitor (8 wires-common 6 wires+video 2 wires), Security station phone (common 4 wires)			
Power Source	DC 12V, 1A			
Power Consumption	Standby : 200mA, Maximum : 450mA			
Call Method	Handsfree (one way)			
Image Sensor	Color CCD 1/4"			
Horizontal/Vertical	15,735KHz / 60Hz,			
Scanning Frequency	15,625KHz / 50Hz			
Imaging Angle	Horizontal : 68 degrees, Vertical : 55 degrees			
Lowest Intensity of Illumination	5Lux±3 (up to 300mm from the camera)			
Effective Call Range	3C2V Coaxial 200m	5C2V Coaxial 300m	7C2V Coaxial 400m	UTP CAT. 5e 300m
RF Sensing Range	60mm			
Lighting	Built-in LED light for night use			
Temperature	-20°C(tested up to -40°C) ~ 50°C			
Dimensions	230 (W) x 260 (H) x 72 (D) mm			



39. RF-ID Model (Optional)

Communication Device Certification

Model Name	DRC-701LC	DRC-701LC/RF1
Product title	Public Lobby Phone	RFID/USN Wireless Device (13.56MHz Freq.)
Certified Company (Identification Code)	Commax Co., Ltd. (CMX)	
Manufacturer / Origin	Commax Co., Ltd. / Republic of Korea	
Manufacturing Date	Marked on the exterior	

Communication Device Certification(RF Option)

Model Name	DRC-701LC/RF1
Frequency	13.56MHz
Antenna power range	Under 47.5mV/m within 10 meter radius
Power	DC 12V
Emission Type	A1D
Number of Channel	1 Channel
Modulation method	ASK
Communication method	Simplex Operation Method
Temperature	-10°C(tested up to -40°C)~ +50°C, 95%

COMMAX

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