CIOT-1020M User Manual



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Start

1 Main function

Function	Description				
COMMAX Widget	Display of widget type such as today's weather, indoor temperature and humidity, smart plug electricity amount, absence information				
Login and Membership	User subscription and login to use UC and Cloud				
My Reporter	To view and set the integrated value information provided by the app				
COMMAX launcher	Support for space control / editing / addition to the main screen and main functions (weather, quick menu, household device information, individual device control)				
Scene control	It is main functions that can display basic values (away, burglar), appear user-specified scenes, and register new scenes and delete				
My house coach	Offer various lifestyle tips to users by apps				
Device control	Funciton to control a wireless device that works with wall- pad				
Apps	Show all apps that are registered in the wall-pad				
Door call / recording	Video call with IP door and recording function through IP network				
House to call	Call between household and another household through IP network				
Lobby call / recording	Video call to lobby and recording function by IP network				
Guard call	Voice call to guard station by IP network				
Call list	Checking the call list and recorded video of lobby phone and IP Door				



Real-time and CCTV video monitoring service			
Fucntion to display and record multiple images on two or			
more monitors			
Check recorded CCTV images by date			
check recorded CCTV images by date			
Using wireless IoT sensor (magnetic, PIR) to away, burglar,			
emergency handling			
Multi-control function for device by user condition			
Manual setting of the basic environment (IP setting, etc.)			
by the user			
Han on mainten interlack device (ID Deen CCT)/ Ist			
User can register interlock device (IP Door, CCTV, IoT			
device, etc.)			
IP and various environce setting for lobby call and system			
operation			
Calls to mobile phones login ID same as wallpad			
Format reset function to send CCTV / Door image to			
external (UC)			
Wall pad control by smartphone through cloud server			
Fuction to notify emergency from your house			
to mobile phone			

• Interlocked mobile phone

(Smart devices are compatible with Android OS (4.4.1 or later), iOS (8.0 or later)

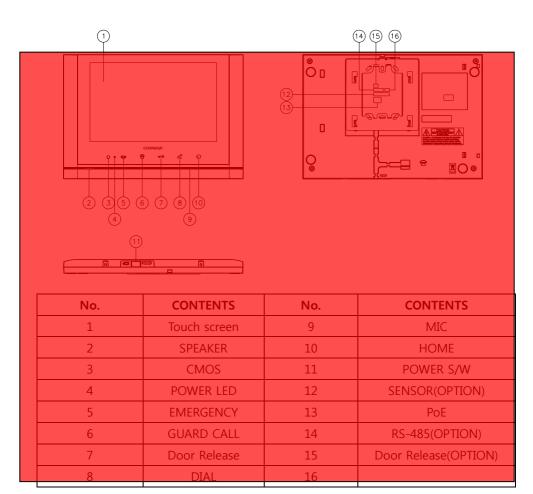
OS	Resolution	Mobile phone
Apple	1136x640	iPhone5s
	1920x1080	iPhone6
	1334x750	iPhone6s
	1920x1080	iPhone6 Plus
	1334x750	iPhone7



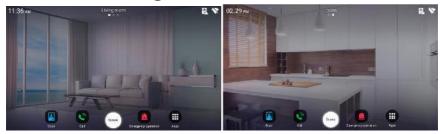
Android	1920x1080	Nexus5x
	2048x1536	Nexus9
	2560x1440	Galaxy Note 4
	2560x1440	GalaxyS5 edge
	1920x1080	GalaxyS4
	2560 x 1440	LG G3 cat6
Total		11ea







Basic Screen Configuration







6 https://smartel.ua

The screen change

The navigation bar of home screen bottom



Go to home screen	\triangleleft	Go back
Volume control		

Go to Setting

Home screen bottom setting bar



Wi-fi Wifi setting	Go to system wireless Wifi setting
Local network IPsetting	Go to wired network IP setting



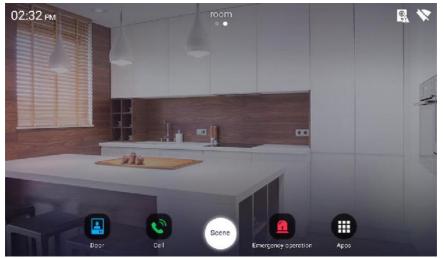
https://smartel.ua

External network Internet status	Check the status of external Internet connection
Door camera Door registration	Go to IP Door Camera registration
Sign up User registration	Go to user registration
IoT paring IoT Device registration	Go to IoTt device registration
Wallpad setting Wall pad settings	Go to wall pad setting
Os setting OS setting	Go to OS setting



2 Home Screen

Home Area



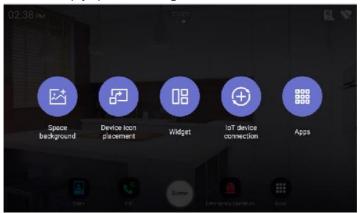
View the door camera	View the door camera
dial	Dial key for call
Device	Door, network, membership status display
status	* Icons is displayed during abnormal operation
all Apps	All App list
Scene Contorl	Scene and Reservation control
Emergency operation Emergency button	User Emergency button



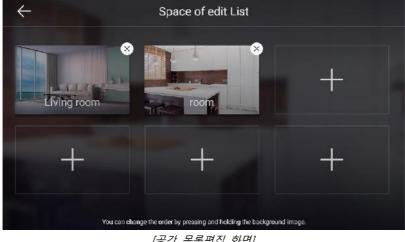
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2.1. Editing a space list

'Press an empty space on background screen for one second. 1)



- Drag the space you want to move and move it to the desired location 2)
- Press the "X" button to delete the space. 3)
- Press "+" button to add space 4)
- Press the Cancel button to cancel editing. 5)
- 6) Press the 'complete ' button to save the space list.



[공간 목록편집 화면]

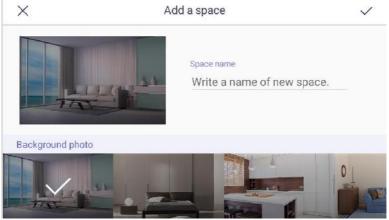
Adding Space

1) Enter the name of the space.



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- 2) Press "Enter" on the keyboard.
- 3) Select a space image .
- 4) V 'Press 'OK' button to add space.
- 5) ←'Previous' button will move to previous screen



[공간 추가 화면]

2.2. Registering a device

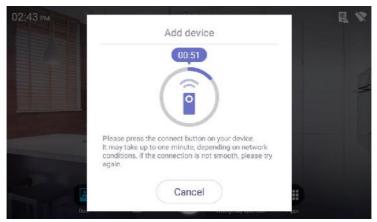
Method 1.

1) Press an empty space on background screen for one second.

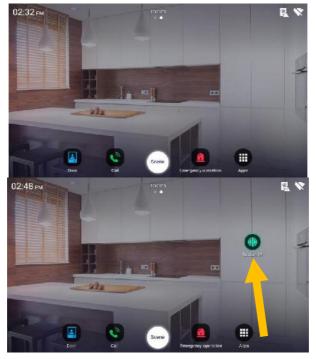


2) Press register IoT Device





- 3) Connect the device according to the device pairing method..
- 4) The device can be paired for up to 60 seconds.
- 5) Press Cancel 'button to cancel the device pairing method.
- 6) When a device is registered, the device is automatically placed on the screen



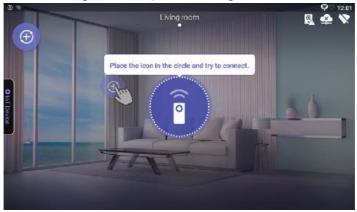


Method 2.

1) Drag or click IoT Device ICON leftside on screen



2) Click IoT Pairing ICON on upside and drag center on screen.



3) Connect the device by using device pairing method.





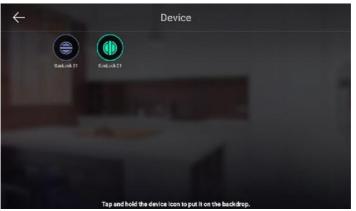
2.3. Placing device (move / delete)

Method1.

1) Press an empty space on background screen for one second



- 2) Press 'Device icon placement'.
- You can move to the desired location by pressing the device you want to move.



- 4) Drag the device, move it to the desired location, and release the device
- 5) To delete a device, press the corresponding icon longer to move to the desired location..





6) To delete a device, press the icon longer and move it to the upper trash...



[Device delet screen]

Method 2.

1) Drag or click IoT Device ICON leftside on screen





1) You can move to the desired location by pressing the device you want to move.



2) To delete a device, press the icon longer and move it to the upper trash...





2.4. Controlling devices

- 1) Move to the space to control.
- 2) You can turn the device on / off by pressing the device you want to control..



[The device control sreen]

2.5. Widget Area

- 1) Provide a summary of our home environment and external environment information at present.
- 2) Press empty space on background screen for one second.



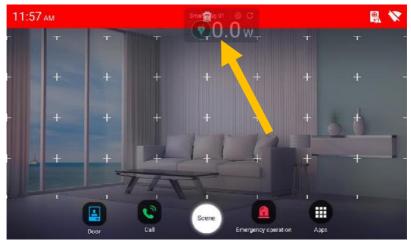
- 3) Press widget .
- 4) Select and drag the widget you want to display on the background



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5) To delete a widget, press the widge tlonger and move it to the upper trash.





3 House Reporter

We provide value information on the screen that allows us to understand our home environment and external conditions..



[The house reporter screen]

3.1. Edit house reporter

- 1) Press edit "buttonu
- Press the "(On / Off)" button and you can select the value information item to be displayed..
- 3) \checkmark OK "button to save the changed item.



[The house report edit screen]

3.2. Setting the weather area

- 1) 'Press the "Today's weather information" button.
- 2) Enter the name of the area to search.



- 3) Press the "Search" button..
- 4) Select one of areas from search list .



[The weather area setting screen]



4 Control

4.1. Control lighting

- 1) Go to the Lighting tab.
- 2) When you press power button of whole lightings, all lightings are turned on.
- 3) When you press power button of whole lightings, all lightings are turned off.
- Press the power button of the lighting you want to control to turn the light on or off.



[Lighting Control Screen]



4.2. Multi-sensor

Checking multi-sensor

- 1) Go to the Indoor Environment tab.
- 2) Displays information collected in indoor environment by multi-sensor.



[Multi sensor Screen]

4.3. Magnetic sensor

- 1) Go to the Safety tab.
- 2) 'Detected' is displayed when door open is detected.
- 3) If no door open is detected, "No detected" is displayed.



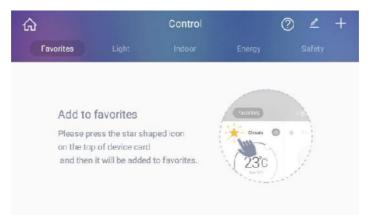
[Magnetic sensor Screen]



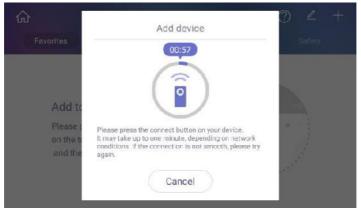
4.4. Adding devices

Control standby power

- ① Press the + button to enter the Add Device mode.
- ② Pairing mode is for 1 minute



[Standby power Screen]



[Standby power Screen]



4.5. Edit device

Change the device nickname

- 1) Select the device and change the nickname.
- ① Press button and finish changing the nickname of the devices.



[Device edit Screen]

Remove device

- 1) Select the device you want to delete.
- 2) Press the ① button to complete the deletion of the devices.



[Remove device Screen]



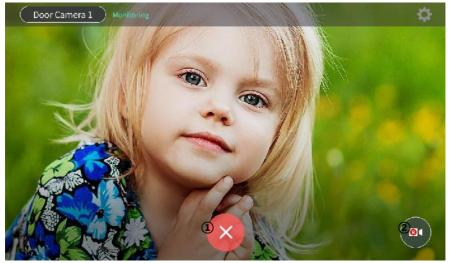
5 Application

5.1. Interphone

5.1.1. Screen Layout



Call connection screen



[Monitoring Screen]

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- 1) Press ① button to end the door monitoring.
- 2) Press ② button to save video.

Call connection screen



[Call connection Screen]

- 1) (1) End call.
- 2) ② Start Call / Open Door
- 3) ③ Save video
- 4) ④ Adjust call volume

5.2. Door entrance

Monitor and call from door camera

- 1) Click on the door entrance icon in the Quick Menu.
- 2) You can monitor the door entrance by pressing the 'door entrance' button.
- 3) To cancel monitoring, click the 'Cancel' button.
- 4) When you press the bell on the door camera, the call screen appears..
- 5) To end the call, press the "End call" button.



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Open the door

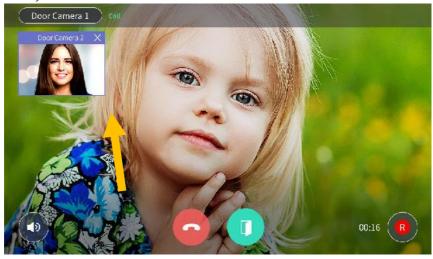
- 1) When the call comes in and the call button is pressed, the door open button appears.
- 2) Press the door open button to open the door.

Saving the image of our house / common entrance visitor

- When you press the save video button during a call, the icon changes to **R** and video recording starts.
- 2) Once you click the save button again, the image will be saved.

Get a call on door camera

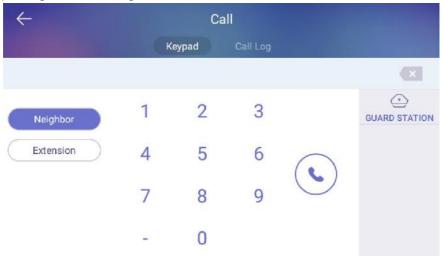
- 1) When you receive a call, the bell sound and visitor screen are displayed on the screen.
- Press the (Talk) button to connect the call and press the "Reject" button to hang up.
- 3) To stop during a call, press the "Exit" button.
- 4) If you receive calls from two or more during the call, the screen will appear on the upper left corner and you will be connected immediately when you click on the screen..





Call house

- 1) Press dial on background .
- 2) You can call by entering the number of building and household or pressing the button of guard station and office



5.3. Call Log

The last 7	7 days				
٢	Door Camera				2017/01/02
e	Door Camera				2017/01/02
e.	Door Camera				2017/01/02
Ľ	Door Camera				2017/01/02
e	Door Camera				2017/01/02
	ರ,	\bigtriangledown	0	d»	

[Display for Call log]



Using Call Log

When you click icon at the top of screen, you can delete the call log.



5.4. Security

•	
CCTV monitoring	CCTV monitoring and save the image
Emergency operation Occur emergency	Occur emergency on urgent situation

5.4.1. Security

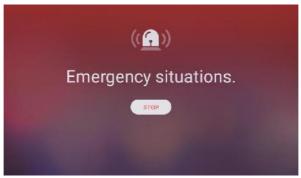


Occur emergency Detect emergency

The emergency has been activated by users or sensors automatically. Emergenc y situation will be operated with 3 steps(Occur \rightarrow Stop \rightarrow Restore).

5.4.2. Occur emergency

- 1) You can activated the emergency for clicking the emergency button. Also it can be orpeated by sensors automatically.
- 2) The siren will be activated and display the emergency icons.



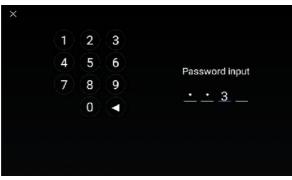
[display for emergency situation] 30



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5.4.3. Stop emergency

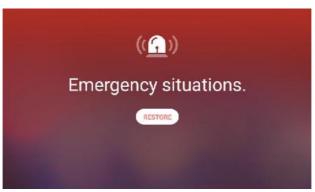
- 1) Click the "Stop" button.
- 2) Click the password and "OK" button. (Password from factory : 1234)



[Enter password]

5.4.4. **Return emergency**

- 1) Click the "Restore" button.
- 2) When you click it, the emergency will be disarmed.



[Window for restoring emergency]



CCTV

Check the display of CCTV Save the image of CCTV





[CCTV menu display]

- ① CCTV Display
- 2 Move to the next display
- ③ Move to the previous display
- ④ Channal list

(5)	Favorites
J	ravonites

- 6 Seleted lists
- List of favoirtes
- (8) Check the saved image

CCTV monitoring & saving

- 1) Click the channel list(④) you can see the CCTV list(⑥) on the display.
- 2) Click the CCTV list, you can see the image of CCTV(①).
- 3) If you want to see the next CCTV, click the Next button(2).
- 4) If you want to see the previous CCTV, click the Next button(③).

Register, remove & check the favoirtes

- 1) Main display of CCTV, click the star icon next to the CCTV list, you can register or remove CCTV on the favorites list.
- 2) Click the list of favorites(⑤), you can check the favoirated CCTV list on the display.
- The star of CCTV list(⑦) is on, you can remove on the favorite list for clicking the star(⑦) on the list.



5.5. Checking visitor

Visitor Checking visitor	Check the saved image of e	enterence or lobby
5.5.1. Visitor		
Check the saved	d image of enterence or lobb	у
~	Visitor	Ū.
Today		
E PM 02:47	•	PM 02:07 PM 02:07 PM 01:05

[Display for saved image]

Delete	Delete the saved image
--------	------------------------

With icons, you can check the location of saved movie clip.

Enterence	Movie clip from enterence
Lobby	Movie clip from lobby
Missed Call	Movie clip from missed call



Check the saved movie clip

You can check the time and date of saved movie clip from the enterence or lobby.

Delete the saved movie clip

- 1) Click the 'Delete' button.
- 2) Click the individual movie clip or "All movie clip' for the selection.
- 3) To un-select the movie clip, click that icon again.
- 4) Click "Delete" button to remove the movie clip.

5.5.2. Emergency log

Emergency log

\leftarrow	Emergency Log	面
Emergency Restore	2	Tuesday, February 28, 2017, 3:18 PM
Emergency Stop		Tuesday, February 28, 2017, 3:18 PM
Emergency Occur		Tuesday, February 28, 2017, 3:17 PM
Emergency Restore	2	Tuesday, February 28, 2017, 3:17 PM
🚊 Emergency Stop		Tuesday, February 28, 2017, 3:17 PM
Emergency Occur	Display for emergency logi	Tuesday, February 28, 2017, 3:17

[Display for emergency log]

Delete the emergency log

1) With " icon, you can delete the date of emergency log.



5.6. Etc App



Calculator	Calculation
Clock	Set the alarm and time
Sign up	Sign up / Edit / Initialization
Wallpad setting	Setting for wallpad
OS setting	Android setting
Browser Brower	Internet brower



5.6.1. Calculator



You can use it for calculation.

RAD							
7	8	9	÷	DEL	INV	DEG	%
4	5	6	×		sin	cos	tan
					In	log	1
1	2	3			π	е	٨
	0		+	=	()	V
					S		

[Display for calculation]

5.6.2. Brower



This is the web brower for internet.





5.6.3. Sign up



Sign up / Edit / Initialization

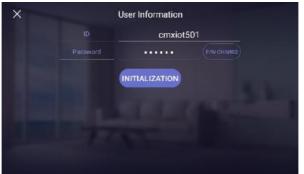
- 1) Enter 'ID' and clikc 'Duplication check'.
- 2) Select the living country.
- 3) Enter 'Passward', 'Retype Passward' and click 'Registration'.

×	Enter information	
	ls required. Name	
	Ю ОБРЕДСАЛОЙ	
	Living Country Select Country	
	Paseword	
	Retype Password	
	REGISTRATION	
	t) <1 <> □ <1)	

[Display for Sign-up]

Edit & Initialization

- 1) If you have already siged up, you can see the current ID on the display. You can change the passward to click 'P/W change' button..
- 2) When you click 'Initialization', all your siged up information will be deleted





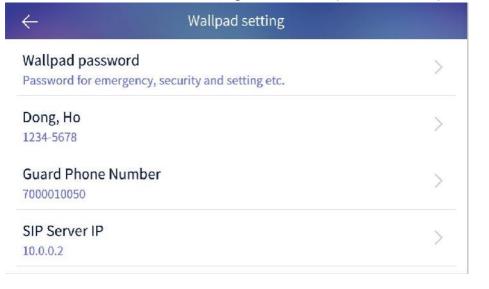
5.7. Wallpad setting

You can set the user information, wallpad, controlling devices, Door camera and other devices.



5.7.1. Wallpad setting

You can set the SIP server, call number of guard station and passwords for wallpad.





* Wallpad type setting

- You can set wallpad using Maset or Slave

- If wallpad sets Slave, input IP of Master wallpad and select Slave number (501 \sim 510)

X If you are a member of COMMAX, you need to initialize the member information before setting it as Slave.

X After the setting of the month pad type is completed, it is automatically rebooted.

Note) a. When operating master and slave in the cab, make sure all the IP of the wall pad is set to fixed IP

(When set to DHCP, synchronization between master and slave may not be possible.)

B. When the slave malfunctions or power is off, communication delay between master and slave occurs and all devices may slow down

There is.

C. If the IP address of the slave is changed, be sure to reboot the master wall pad to synchronize the master / slave.

D. If changing the slave wall pad to Master, be sure to reboot the existing Master Wall Pad to synchronize Master / Slave

It will be canceled.

X

Wallpad type



Slave

Master wallpad IP Localhost(Master)

Extension number 100(Master)



- 1) You can change the password for disarming emergency and Away mode.
- Enter the new password.
- Re-enter the same password.
- If passwords are same, it has been changed.
 ※ Initial password is 1234.
- 2) You can change the building & household number.※ If you change those number, you need to reboot the wallpad.
- 3) You can change the number for guard station.
- 4) You can change the SIP server IP.※ If you change the IP, you need to reboot the wallpad.
- 5) You can change the update server IP for wallpad.
- 6) You can re-execute the installation wizard.

5.7.2. Initialization for connecting control devices

You can initialize the control devices for connecting wallpad or mobile app.



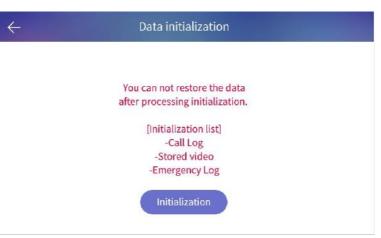
When you click the "Initialization" button, all the connecting IoT devices will be initialized. After initialization, individual devices can be controlled but all the scenario or scenes will be deleted.

5.7.3. Data initialization

You can initialize all the date from wallpad.



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After initialization, you can not restore the data.

[List for initialization]

- Call log
- Saved image
- Saved movie clip
- Emergency log

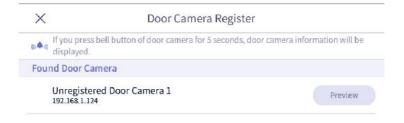
5.7.4. Door camera setting

You can register IP door camera.

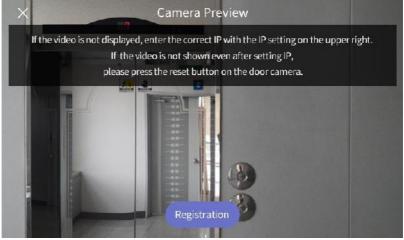
Regis	stered Door Camera			
۲	Door Camera 1 192.168.1.121		Preview	
0	Door Camera 2 192.168.1.124		Preview	
		+ Door Camera Register		

1) Click "Door Camera Setting", push the button of door camera for 5 seconds, the camera image will be displayed automatically.





2) Click "Camera Preview", you can check the image of door camera.



- 3) Click 'Registeration' button, the door camera will be registered to wallpad automatically.
- 4) You can change the name of door camera to click "Edit" button.

5.7.5. CCTV Registeration

You can register IP type CCTV camera.

1) Click "CCTV camera register' button, you can see the list of CCTV camera on the display..



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2) Click "Preview" button and enter the ID & Passward, you can check the image of CCTV camera.

×	CCTV security information									
Unregister 192.168.1.10		Id			a	dmin			Preview	
	Integister	P	ass-					- 12		
q '	w	е	r	t	у	u ⁷	1	0 *	p°	G
а	s	d	f	g	h	J	k	I		0
+	z	х	с	v	b	n	m	I	?	+
7123	@								12	.com
			d,	∇	0		40			





3) Clikc "Register" button, that CCTV camera will be registered.



4) Click "Edit" button, you can change the name of CCTV camera.





5.7.6. Call setting

You can adjust the calling functions.

\leftarrow	Call setting
Continuous call time 3 minutes	>
Video recording time 60 seconds	>
Video autosave	
Allow smartphone incoming Push the door button, communica (Available after sign up.)	The second secon

The menu is as below.

- 1) Continuous call time : You can select the call time between 30 sec ~ 3 min.
- 2) Video recording time : You can select the recording time between 10 sec \sim 60 sec.



 Video auto save: When you select it, video clip will be saved automatically
 Video alia will be saved an even and

Video clip will be saved on your app.

4) Allow smartphone incoming call : When you select it, you can receive tha call from the visitors to your smart phone.

5.7.7. Setting for Home Theme

You can set the home theme.

÷	Home theme	
Home screen de SetControl	fault theme	>
Show home scre	een help	

5.7.8. Ringtone

You can select the ringtone from connected devices.

\leftarrow	Ringtone	
Front door		>
Ringtone 1		
Guard		>
Ringtone 7		0
Public area		>
Ringtone 1		

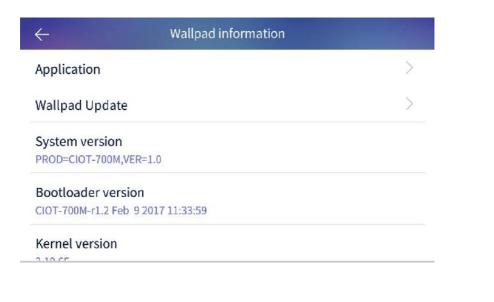


- 1) Select the place and select the ringtone. (Preview for ringtone)
- 2) Click the 'Confirm' button, the ringtone has been selected.

	Pipetopo	
	Ringtone	
Front door Ringtone 1	Ringtone 1	>
Guard	C Ringtone 2	>
Ringtone 7	C Ringtone 3	
Public area Ringtone 1	C Ringtone 4	>
	Cancel Confirm	

5.7.9. Wallpad information

You can check the information of systems such as versions of S/W.





5.7.10. Check the version of application

- 1) Click "Application" button.
- 2) The version of app will be displayed.

	Applica	tion		
	ControlSub 1.0.4			
14	Control 1.0.4			
	Visitor 1.0.1			
ĕ	CommaxWidget 1.0			
	HomeloT 1.2.9			
	Security Service			
	Touch keypad Each buttons are not work			
	Emergency Guard Door op	m Call	Home	
	Emergency Guard Door op 6 5 4	n call 3	Home 3	
	6 5 4			
	6 5 4	3) +) -		
	6 5 4 + + + 	3) +) -		
	6 5 4 + + + 	3) +) -		



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6 Scene / Booking control



[Main display of Scene / Scenario menu]

① Move to Home display	③ Detail of Scene
② Add Scene	④ Quick move to scenario control

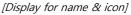
6.1.1. Add Scene

- 1) In the menu, click the 'Add scene' button.
- 2) Click 'Create the scene with selected device' button, you can see the selection of device window.
- 3) Selected device and clikc 'Confirm' button.
- 4) Select the details for devices.
- 5) Click '+' button for entering name & icon.





[Display for device setting]



6.1.2. Away mode

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Activate & Deactivate the away mode Display for away mode status

You can set the sensors, saving visitor image, turn-off the light or bypass the call in the away mode..

Activate the away mode

- 1) Click the away mode icon.
- 2) After the curtain time, the away mode will be activated.
- 3) If you cancal the away mode, click "Close" button.



[Display for away mode]



① Lead time for Away mode	② Start the away mode
③ List for activiation with away	
mode	

 $\ensuremath{\mathbb{X}}$ Away mode will not be activated during the setting of security.

% Lead time for away mode can be set in the menu of 'Away mode setting \rightarrow Option \rightarrow Lead time for Away mode".

Setting for Away mode

- 1) Setting the activiating functions in away mode.
- 2) Click "Option" button, the setting menu will be displayed.
- 3) Check for using sensors or other functions.
- 4) Click 'Confirm' button for saving.

< Away	option
Going out delay	1min
Returning delay	Osec
Door Sensor Group	C
PIR Sensor Group	

[Setting display for away mode]

Disarm for away mode

- 1) Click away mode icon in home display.
- 2) Enter the password and click 'Confirm' button.
- 3) If the password is correct, the away mode will be disarmed.

6.1.3. Security



Arm / Disarm the security Display the status of security sensor



https://smartel.ua

- \times This function will be activated when the sensors are installed in the house.
- % You can choose the usage of sensors in the menu of [Setting \rightarrow Signal \rightarrow Usage of sensor].

Set the security

- 1) Check the security sensor in 'Security area (2)' button.
- 2) Activate the selected area to click 'Confirm(①)' button.

×	Scene	+
Away Security		
	Door Sensor Group	On
	PIR Sensor Group	On
Security		
2 1		
Edit Run		

[Display for security setting]

X The list of sensor will be displayed which has connected with wallpad.

Disarm the security

- 1) Click 'Security setting' button.
- 2) Enter the password and click "Confirm".

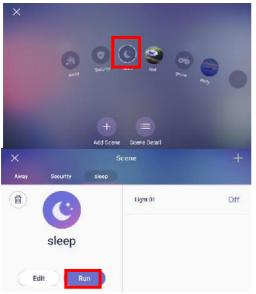
(1)

3) If the password is correct, the selected sensors will be disarmed.



https://smartel.ua

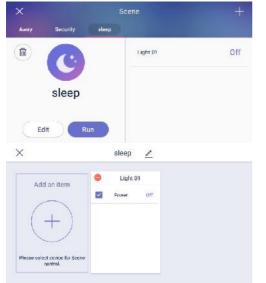
6.1.4. Scene control



- 1) Click the scene among the list.
- 2) All the devices will be operated belongs to its scene.

- Click 'Details' in the main menu.
- All the devices will be operated to click 'Run' button.

6.1.5. Edit Scene



- Click 'Security: Applying>' button, you can arm / disarm the security while you activate the curtain scene.
- Clikc 'Edit' button, you can edit the scene.
- In the editing display, you can edit the kinds of device, name of scene or icon.



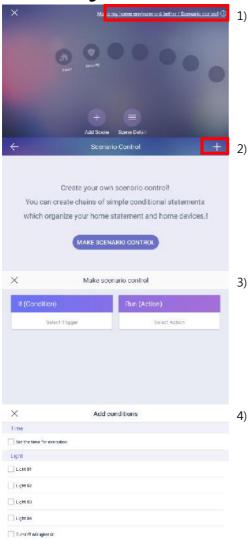
6.1.6. Setting the scenario(Mode)

You can control the devices under the setting of scenario..

Ex.) Turn-on the Lighging when disarming the away mode

% It may take 1 to 5 min due to server condition.

6.1.7. Adding scenario control



 Click "Control the scenario" button at the right-top of display.

 Click '+' or 'Create new scenario' button.

 Click '+' button at the Condition window.

4) Select the devices.



Add an item	 TurnOff / Power State 	,	
×			
-	viake scer	nario control	KANE
If (Condition)	Ŵ	Run (Action)	<u> </u>
Power On	JI 😑	Power On	
		Light 02 Power On	•
		Power On	٠
÷	Scenari	o Control	+

- 5) Select the options of device.
- 6) Click ' 🗹 ' button for the saving.
- 'Activiation' will be set as same as 'Condition'.
- When the setting of "Codition" and "Activiation" is completed, click the ' ' button for saving.
- 9) You can see the created scenario.

7.2.1. Setting for the booking



- 1) Move to Booking window.
- On the list, you can activate the options using toggle buttons (' ').



PRODUCT

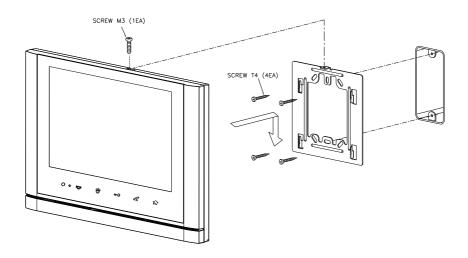
MODLE	CIOT-1020M	
LINE	UTP (CAT.5e)	
VOLTAGE	INPUT : PoE DC 36V ~ 54V / DC5V	
POWER	STANDBY :5W , MAX : 10W	
TELECOMUNNICATION	AUDIO : VoIP, VIDEO : H.264, H.265	
LINE & DISTANCE	STANDARD UTP (CAT.5e) 70m (FROM THE PSE)	
TEMPERATURE	0°C ~ +40°C	

SPECIFICATION

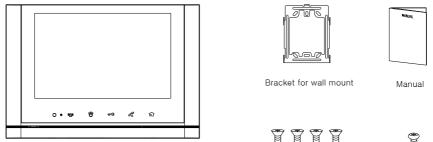
CPU	Quad-Core ARM Cortex-A53	
MEMORY	1G DDR3 RAM (512M *2)	
FLASH	8G eMMC Flash	
LCD	10" TFT LCD, 1280 x 800	
POWER	POE	



INSTALLATION



PACKAGE CONTENTS.



CIOT-1020M



T4 X 18(4EA) Screw for wall mount

M3 x 6(1EA) Screw for body

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