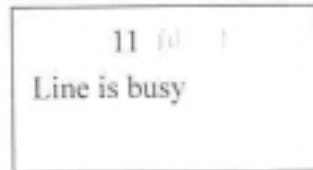
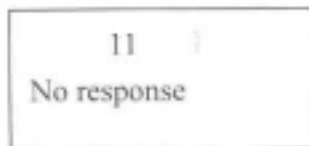


Note: An alternative way to dial out is just to press ON/OFF key without checking whether the icon “☎” shown on the top of LCD. If the line is available, the rest of steps is the same as the above. If the line is not available, then the LCD will show

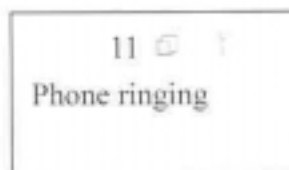


- F. If you try to make a call from a location out of service range, the LCD will show as follows. Please move closer to the base system and try again.

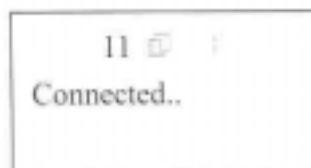


3.1.2 Answering a Call

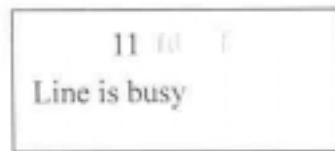
- A. When there is a call coming in, the Mobile Unit will ring and the LCD will show



- B. If the mobile unit is on the charger and the charger is in 'Auto-Ans' mode, the mobile unit will automatically answer the phone after several rings without user's interference.
- C. If the mobile unit is on the charger and the charger's 'Auto-Ans' is off, or the mobile unit is away from the charger, press 'ON/OFF' on the mobile unit. The call will be connected.
- D. When connected, the LCD display on mobile unit will show



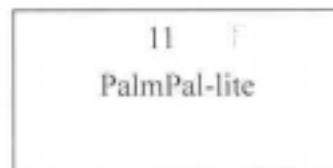
- E. If someone picks up the call before you did, the display will show



- F. You cannot receive an internal call on the Mobile Unit if you are in internal or external voice communication

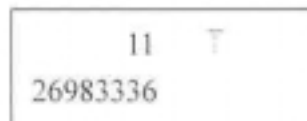
3.1.3 Ending a Call

- A. Press **ON/OFF** on Mobile Unit to end a call, the LCD will get back to the original 'PalmPal-lite' Display

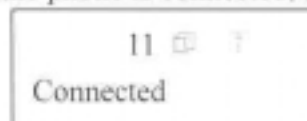


3.1.4 Redial

- A. Press **REDIAL** to redial the last number called. It will show the last number dialed on the LCD display

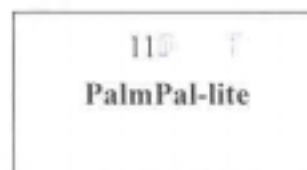


- B. When the phone is connected, the LCD will show

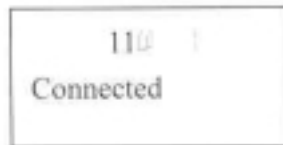


3.1.5 Hold

- A. After answering a call, press **HOLD** to put the call on hold. The party put on hold will hear waiting music playing. The line busy icon on the top level of LCD display will flash as follows,



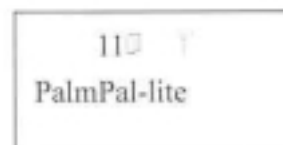
- B. Press 'HOLD' again to retrieve the call, the line busy icon " " will stop flashing and the LCD shows 'Connected' as follows,



3.1.6 Transfer

Example: Mobile Unit 11, John is transferring a call to Mobile Unit 12, Mary.

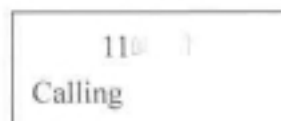
- A. Press 'HOLD' to put the calling party on hold. The icon '⏸' will start flashing as follows,



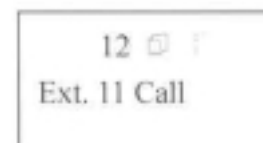
- B. Dial "12" for Mary's Mobile Unit number '12' and the LCD of Mobile Unit 11 will change to 'Call 12' as follows,



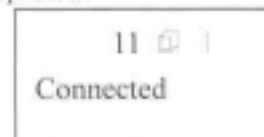
- C. While waiting for Mary to pick up, the LCD of John's Mobile Unit 11 will look like as follows,



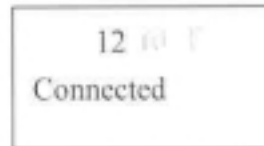
- D. Now the LCD display of Mobile Unit 12 will show 'EXT. 11 Call'.



- C. When Mobile unit 12 picks up the call, the LCD display for both mobile units will show 'Connected' as follows. The **Transfer** action is now completed.

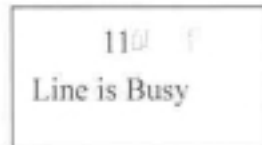


LCD display on Mobile Unit 11



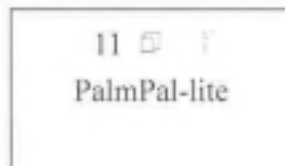
LCD display on Mobile Unit 12

- F. If the Mobile Unit 12 is in intercom (OPTION) with another Mobile Unit, when Mobile Unit 11 tries to call Unit 12, the LCD display of Mobile Unit 11 will show 'Line is Busy' as follows,

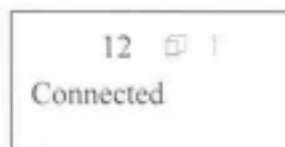


NOTE: An alternative way to transfer a call is to follow the above steps A, B and G

- G. Press ON/OFF directly to let Mobile Unit 12 connects directly to the call. The transfer action is now completed.



LCD display on Mobile Unit 11



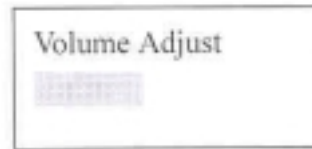
LCD display on Mobile Unit 12

3.1.7 FLASH

FLASH is to access subscriber services. If you subscribe to a Call Waiting service from Telephone Company, **FLASH** is to switch to the new coming call while you are on line. You can use this key to toggle between two calls. The LCD display will stay as 'Connected'. Only the icon '☎' will keep be flashing when '**FLASH**' is pressed.

3.1.8 VOLUME

You can adjust the volume you hear by pressing ‘▲’ and ‘▼’ key on Volume. The LCD display will show the strength bar as follows,



3.1.9 MUTE

- A. Press ‘MUTE’ while on a call
- B. To return your conversation, press ‘MUTE’ again.

3.1.10 Hands-Free Talking(Mobile Unit on Charger)

- A. While the Mobile Unit is on a call, put the Mobile Unit on Charger.
- B. You can talk through the speakerphone.
- C. Press ‘Volume’ on the back of Charger to adjust the volume you hear.

3.1.11 Auto-Ans(Mobile Unit on Charger)

- A. Switch ‘Auto-Ans’ to ‘ON’
- B. Put Mobile Unit on Charger.
- C. When a call is coming, if there is no other Mobile Unit picking up the call, the Mobile Unit on Charger will automatically pick up the call and act as a speakerphone.

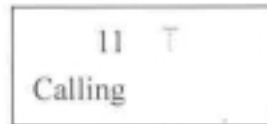
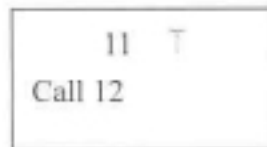
3.1.12 Intercom (Option)

Intercom is an optional function. Regarding how to disable or enable this option, please refer ‘Intercom’ under the section 3.2.2 ‘Mobile Unit’s Control operation ‘FUNC’ button ‘.

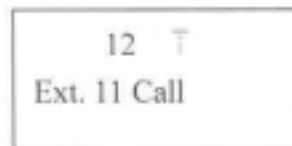
Intercom is an internal call for PalmPal-lite user to call another user in the house through the Mobile Units. When one Mobile Unit is Intercom with another one, the rest of other Mobile Unit won’t be able to Intercom one another’, but are still allowed to make or receiver a call. It is important for users to be aware that when Intercom is chosen, there is one limitation to the original function. When the Mobile Unit is using Intercom to the other one, if there is any event happened, which is programmed to send out information such as ringing or text on Display, these Mobile Units can’t receive the information. But the other Mobile Units not using Intercom can still receive the information.

The following shows how to use Intercom

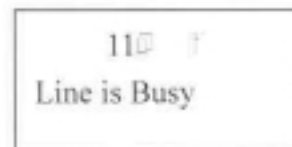
- A. Enter the Mobile Unit's device number directly and the Mobile Units to be call will ring. For example, Mobile Unit 11 call Mobile Unit 12 The LCD display of Mobile Units 11 will be as follows,



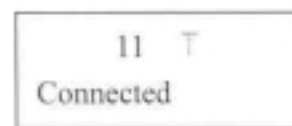
- B. Now the Mobile Unit 12 will be ringing until the call is being answered.



- C. If Mobile Unit 12 is on another line, the LCD of Mobile Unit 11 will show,



- D. If Mobile Unit 12 is available and picks up the call, the LCD of both Mobile Units will show,



3.1.13 AUDIO (OPTION)

AUDIO is an optional voice communication of PalmPal-lite system. The first function of AUDIO is to broadcast. AUDIO allows users to make an announcement and broadcast through the speaker connected to the 'OUT' port of AUDIO on the back of the base system. Users never need to yell to one another in the large house. The second function of Audio is to receive the music or message from the system such as radio connected to the 'IN' port of AUDIO on the back of base system.

How to operate?

- A. Press AUDIO, to make an announcement through speakers.
- B. Press 'ON/OFF' to end the announcement.
- C. Now if the other user likes to make an announcement after hearing yours, he/she can also press AUDIO to make the announcement.

-OR-

- A. Press AUDIO to hear a music or message connected to the system.
- B. Press 'ON/OFF' to end receiving music or message.

3.1.14 Operation Range**Operation between Mobile unit and Base System**

PalmPal-lite's Mobile Unit operates within the maximum power allowed by the Federal Communications commission (FCC). Even so this mobile unit and base system can communicate over only a certain distance around 300 to 450 feet which can vary with the locations of the base and mobile unit, the weather, and the construction of your home or office. For best performance, keep the mobile antenna fully upright.

If you receive a call while you are out of range, the Mobile Unit might not ring – or if it does ring, the call might not connect when you press ON/OFF. There are only two conditions.

Condition 1

When the Mobile Unit is ringing, if you press ON/OFF, and the LCD display doesn't show 'No Response' which means your Mobile Unit is not connected. Please move closer to the base system, and press ON/OFF again until the LCD shows 'Connected' to answer the call. After 10 seconds, the system will automatically cut off the line if the system still cannot get connected.

Condition 2

If the LCD does show 'Connected' and you hear some noise, please move closer to the base system.

If you move out of range during a phone conversation, you might hear noise or interference. To improve reception, move closer to the base system.

If you move out of range and the reception doesn't improve for 10 seconds, without pressing ON/OFF, your phone will be hang up automatically.

Operation between Mobile Unit to Mobile Unit(INTERCOM)

If Mobile Unit '11' tries to call Mobile Unit '12', the Mobile Unit '11' needs to be within the effective operation range to the Base system when calling Mobile Unit '12'. After the Mobile Unit '12' is connected to '11', these two Mobile Units can be away from base system without distance limitation as long as these two mobile units keep connected. However, the distance between two Mobile Units should be still within 300-450 feet depends on the house structure. Once the communication is off either out of range or being manually disconnected. Both Mobile Unit need to be get back to the effective operation range 300-450 feet to the base system to get connected again.

3.2 Mobile Unit's Control Operation

3.2.1 'Macro' Buttons

There are three buttons on each side of the mobile units. Each button can be programmed as a 'MACRO' to activate one single or a series of actions. The installers will program the setting and train users on how to use these Macro buttons. Users can also refer to the 'Event-Macro' worksheet which lists all the Macro functions for each button your installer customized for you. For example, if the first button on the left of Mobile Unit (L1) is programmed as 'Welcome Home'. When you come home, you can press Macro button L1 to activate a series of pre-programmed jobs such as turn on the living room light, fan, or any other applications your installer might programmed for you.

If you forget what function is for each Macro button, you can check the 'Macro Button' under the Main Menu by pressing 'FUNC'

3.2.2 FUNC' Button

When 'FUNC' button is pressed, the LCD display will show the '**Main Menu**' with two items per LCD display screen. The first nine items are for user's setting, and the last three items are for installation only. We here only describe the user's setting. For the last three items, please check with installer for detail or refer to 'Registration' under the PalmPal-lite installation guide.

The following list all the selection items under the '**Main Menu**'.

Main Menu

Macro Button
Remote Access
Door Mode
Ringer Switch
Ringer Type
Line Event
Password
User Name
Intercom
Device Setup
Store Key
Interface

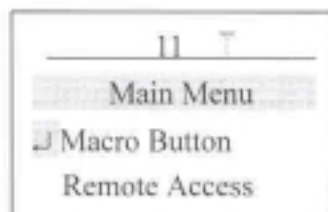
In the following, we will go over each of the first eight selection items' purpose and its operation steps.

Macro Button

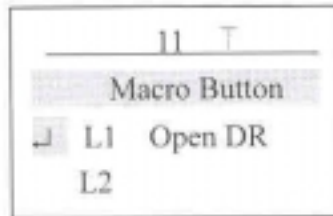
Purpose: The '**Macro Button**' is to display the function of the three Macro buttons on each side of Mobile Unit. The Macro function's name is pre-programmed by the Installers.

Operation Steps:

Step 1: Press 'FUNC' key to enter the '**Main Menu**'

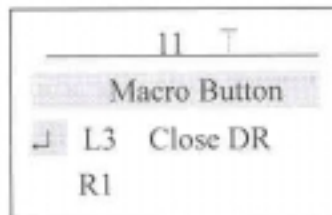


Step 2: Press '▲' '▼' to move the cursor to select 'Macro Button', and press 'ENTER'.



The Macro button's function name will be displayed next to each Macro button location number such as L1 (means left first button) R3 (right third button). For example, if the L1 button is programmed as 'Open the Door', then press L1, the door will be opened. This could remind user each Macro button's function in case users forgot.

Step 3: Press '▼', the LCD shows the Macro function name of next two Macro buttons, L3 and R1,



Step 4: Press '▼' again, the LCD shows Macro name of R2 and R3.

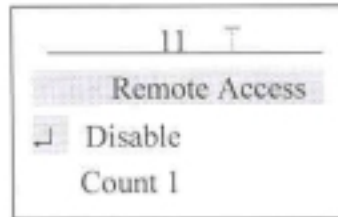
Step 5: Press 'EXIT' to return to 'Main Menu'

Remote Access

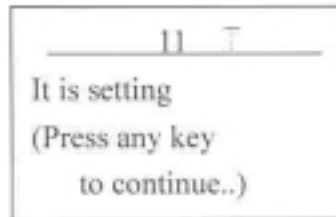
Purpose: 'Remote Access' function allows users to activate the Macro functions from a remote location. For what Macro functions can be activated please check the 'Macro-Event' worksheet (Appendix A). As how to operate the remote access, please refer to the section 3.2.4 Remote Access under the 'Mobile Unit's Control Operation.' Here through the Mobile Unit, users can choose to **activate the 'Remote Access'** or **disable** it. To activate the 'Remote Access' function, please select 'Count 1' or 'Count 2', which means to wait the ringing for 6 times or 12 times to get into the 'Remote Access'.

Operation Steps

Step 1: Select 'Remote Access' under the 'Main Menu' and ENTER



Step 2: Move '▼' '▲' key to select 'Disable', 'Count 1' or 'Count 2' and press ENTER



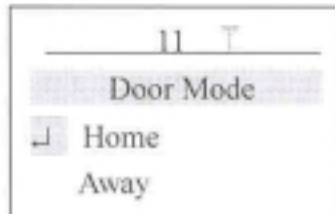
Step 3: Press any key to return to the 'Main Menu'

Door Mode:

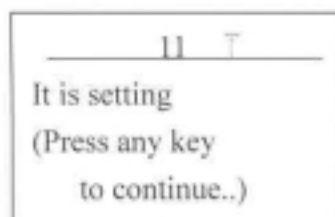
Purpose: Under the Door Mode, there are two selections. One is home and the other one is away. If 'Home' is chosen, then all the mobile units will be ringing when the doorbell is pressed. If 'AWAY' is chosen, then the Door phone will be transferred to a pre-programmed phone number when the doorbell is pressed. For more detail about the Door Mode setting, please check with your installer.

Operations steps:

Step 1 Select 'Door Mode' under 'Main Menu' and ENTER



Step 2 Move '▲' '▼' key to select the item 'Home' or 'Away' and ENTER



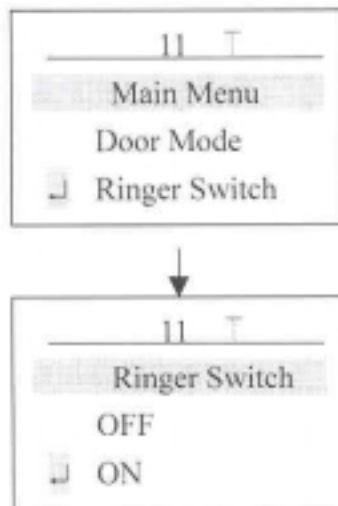
Step 3 Press any key to return to the 'Main Menu'

Ringer Switch

Purpose: Ringer Switch is to set the Mobile Unit's ringer volume ON or OFF.

Operation Steps:

Step 1 Select 'Ringer Switch' item under the 'Main Menu' and presses ENTER



Step 2 Select the Mobile Unit's volume to be 'OFF' or 'ON' and Press 'ENTER'

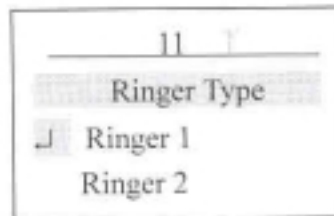
The LCD display will return to Main Menu

Ringer Type

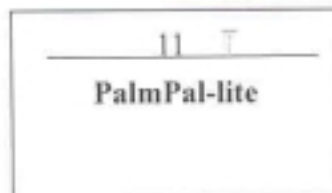
Purpose: There are eight different ringer types to be selected when the Mobile Unit is ringing

Operation Steps:

Step 1 Select Ringer Type under the 'Main Menu', there will be up to eight types ringers from Ringer 1 to Ringer 8. When you move the '▼' '▲' key to select the ringer type, you will also hear the ringer.



- Step 2 Select the Ringer type you like, and presses ENTER, it will get back to normal LCD display

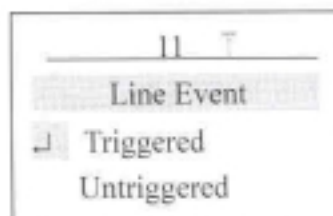


Line Event

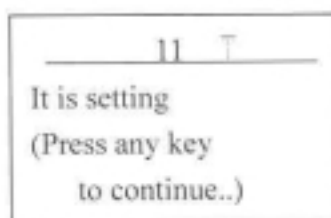
Purpose: If there is a Macro function when the phone call is coming, then you can choose to activate the Macro when the call is coming called 'Triggered' or to disable the Macro when the call is coming called 'Untriggered'. Please check with your installer for more detail about this Macro function triggered when the call is coming

Operation Steps

- Step 1 Select 'Line Event' under the 'Main Menu' and Enter



- Step 2 Move cursor '▲' '▼' to select the item and press ENTER



Step 3 Press any key to return to **Main Menu**

Password

Purpose: There is only one set password, which is 4-digit number. And this Password is used for both **Remote Access** from outside and PalmPal-lite's configuration on PC. It is recommended to change the password after PalmPal-lite installed in your house and before using the system. Since it is the same password for remote access control, to prevent your installer know the password, it is better to change the password again. However, you need to keep a record of the password in case you forget. If you forgot the password, please refer '**One important password**' under the section **1.4 What Users Must Need To Know!!**. There is a procedure about how to retrieve the password from PC.

Operation Steps:

Step 1: Select 'Password' under the 'Main Menu' and press ENTER

Step 2: Enter the 4 digit old password and press ENTER

Step 3: It will ask you to enter the new password.

Step 4 Enter the new 4 digit password and press ENTER.

Step 5 Press any key to return to Main Menu

User Name

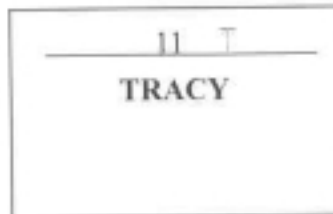
Purpose: You can set your name on the Mobile Unit, and the original 'PalmPal-lite' will be replaced with the name you entered.

Operation Steps:

Step 1 Select the **User Name** under the **Main Menu**

Step 2 Key in the name you like to be stored and ENTER. Press the number key repeatedly until the character is displayed. All the character will be displayed as capital.

- Step 3** Press any key to return to Main Menu, and you can press Exit to exit Main Menu, you will see the name you stored on the LCD display



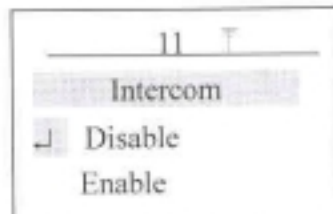
All the above eight items are for the user's setting and function selection. The other two items under the Main Menu such, as 'Device Setup' and 'Store Key' is for installer only. For detail, please refer the PalmPal-lite installation guide.

INTERCOM

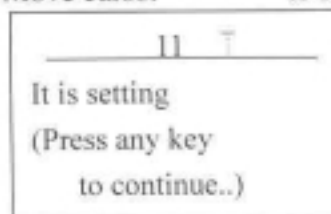
Purpose: Intercom allows PalmPal-lite users to talk internally. There is only one set INTERCOM allowed every time when one set of Mobile Units is using Intercom function.

Operation:

- Step 1** Select 'Intercom' under the 'Main Menu' and Enter



- Step 2** Move cursor '▲' '▼' to select the item and press ENTER



- Step 3** Press any key to return to **Main Menu**. Now the each Mobile Unit under the system is able to perform Intercom.

3.2.3 'CTRL' Button

CTRL button is to enter the other home system's 'Control Mode' or

to enter another applications. When the 'CTRL' is pressed, the Mobile Unit will become a remote control keypad of another system and its original functions such as phone functions, Macro, FUNC button will all be disabled.

Depends on how your installer design and program this system, the CTRL button will have a customized application or function. Please check with your Installer about how to use 'CTRL' button.

3.2.4 Information Display

Mobile Unit cannot just control the home systems but also receive information about the status of the house.

When a pre-defined event happens, such as window broken or break-in, it will trigger the connected sensor and activate a series of pre-programmed jobs such as call out, ring Mobile Unit, show a pre-programmed message, or activate alarm system, etc. The message can be pre-programmed very specific such as problem location like '2F BR WIN' or '1F FR DR' on LCD display of Mobile Unit. This is to provide users an immediately information on where the problem is happened.

3.2.5 Remote Access Control

Remote Access Control is an option. It allows the user to call the home phone number and activate the 'Macro' control functions from a remote location. This function can be set as 'activate' or 'disable' on Mobile Unit. If the Remote Access function is activated, the remote access operation is as following steps.

For example,

Situation: If you have a visitor waiting for you in front of your house, but you are still in the office and can't make it to the house right away,

Your customized Macro function: If you have a Macro function 'Open Door' and its Remote Access Number is 01, and the Macro function 'Turn living room light ON' and its Remote Access Number is 02. The Remote Access Number is always in two digits, you can check the Macro function and its remote access number from the worksheet 'EVENT-Macro'.

- Step 1 Call home phone number
- Step 2 After hearing six rings, it becomes a beep sound
- Step 3 Press your four digit 'Password'
- Step 4 If you hear two short 'beeping', it means the password is correct.
- Step 5 If you hear a long lasting 'beeping', it means the password is not correct. Please enter the password again.
- Step 6 If the password is correct, continue to enter the first Macro function by pressing number '01'
- Step 7 If you hear two short 'beeping', it means the entry succeed and continue to enter next Macro function's two digit numbers.
- Step 8 If you hear one long lasting 'beeping', it means the entry is incorrect, please re-enter the number again.
- Step 9 To enter the second Macro function, press '02'
- Step 10 If you hear two short 'beeping', press '00' to leave the Remote Access Control function and hang up.

3.3 Wireless Door Phone Operation

3.3.1 Press Door Bell

When the Doorbell is pressed, all mobile units will ring. Now users can take any Mobile Unit and presses ON/OFF button to connect to the Door Phone and talk to visitor. The Doorbell pressed also can activate one or multiple actions such as transfer the phone to a pre-programmed phone number or activate a series of actions. Please discuss with your Installer about the Macro setting for this event 'Door Bell'

3.3.2 Talk to the Door Phone

When the Doorbell is pressed, users can pick up the Mobile Unit and press ON/OFF to talk to the Door Phone.

If the user like to call the Door Phone, then please follow the steps as Intercom and Door Phone's number is '20'

3.3.3 Open the Door

To open the Door, one of the six 'Macro buttons' needs to be programmed as 'Opening the Door'. Please check with your Installer which button is to open the door.

3.3.4 Dallas Touch Key

A Dallas Touch key is to open the door by touching the key on the Wireless Door Phone's key slot. Each Dallas Touch Key has its own ID and can be programmed to activate one or multiple programs (MACRO) when user use the Touch Key to open the door. If the Dallas Touch Key gets lost, all the functions including door opening can be disabled through 'UN-INSTALL'. For more detail, please check the 'UN-INSTALL' under the Installation Manual or check with your Installer for help.

Section 4.0 In Case of Difficulty

If you have difficulty operating the system, try the suggestions below. If you still have trouble, call your installer or find the nearest PalmPal-lite Reseller nearest you from Axlon's web site at <http://www.axlon.com>, you can also email info@axlon.com for any questions or help.

- A. Check if the battery is properly plugged into the Mobile Unit with operating difficulty.
- B. Check if the in service range icon 'T' is shown on the LCD display of Mobile Unit. If not, move closer to the base system and try again until the icon of in service range icon 'T' appears.
- C. Check if you hear a sound whenever you press any key or button on the Mobile Unit.
- D. After checking A, B, and C, if the condition is the same, please check if the LED light in front of base system is ON.
- E. If the light is off, please check if the power cord is connected properly to the electric outlet, and check if the power jack is plugged in system or not.
- F. If the condition doesn't improve, please call your system installer.

Appendix 5.0 Worksheets

In the following, we list all different kinds of possible Event setting in Patrol-in-system. The number of Event depends on the entered requirements.									
EVENT					MACRO				
General Description	Device	Device Number	Event	Status	Name	No.	General Description		
Examples: Window break sensor detected	I/O	50	Input port 1	ON			Ringing & Message. Fill 2-Action Setting		
	I/O	50	Input port 1	OFF					
	I/O	50	Input port 2	ON					
	I/O	50	Input port 2	OFF					
	I/O	50	Input port 3	ON					
	I/O	50	Input port 3	OFF					
	I/O	50	Input port 4	ON					
	I/O	50	Input port 4	OFF					
	I/O	50	Input port 5	ON					
	I/O	50	Input port 5	OFF					
Example: when door bell is pressed	Door Phone	20	Door Bell	Pressed			Example: Door phone will be dial out		
	Door Phone	20	Door	Open					
	Door Phone	20	Door	Close					
Example: Press button L1 on Mobile Unit 11	Mobile Unit	11	L1	-			Example: Turn on the living room light. Fill out the 2-Action Setting I/O and Door phone Action Setting		
	Mobile Unit	11	L2	-					
	Mobile Unit	11	L3	-					

Worksheet: 2-Action Setting

File Edit View Window Help

Objective

To prepare a list of Action with its name and content under each Macro. When configuring on PC, it is necessary to fill each Macro's Action Setting. The Action Setting format is the same as the 'Macro's Action Setting' on PC. With this worksheet filled first, installer could just copy the exact content to PC

Steps to fill out this worksheet:

1. Fill out client's requirement about Macro's action on this worksheet. One Macro needs one worksheet.
 2. Example: if Event 1 is the window break sensor detected, the Macro name 'Alert1' will ring all Mobile units and show message 'window broke'.
 3. Fill in Macro's name, say, 'Alert 1'.
- When configuring on PC, the Macro No. will be given automatically next to the Macro name on the screen. Then write down the no on this worksheet.
4. Fill LCD Action Setting Name : 'LCD01' or any your reference. Fill the content as 'Window broke', put 'all' for Display Mobile unit, and Time as 99
 5. Fill Ringer Action setting name as 'Alert 1', select one ringer type, and set the ringer times.
 6. Then one Macro's Action setting is completed. When doing Macro's Action setting and Macro's setting, this worksheet will be needed.

Macro Name:(Max. 8 chars)	
Macro No. (Remote Access No. (01-30))	

I/O and Door Phone Action Setting		
Action Output (I/O or Door Phone)	Port (1-5)	Status(open/close/toggle)

LCD Action Setting	
Name (Max. 8 chars)	
Content (Max. 24 chars)	
Section under Macro's setting	
Display Mobile Unit (11-16 or all)	
Display Time (0-99) 99 is non-stop	

RS-232 Action Setting	
Name:(8 chars)	
Content: (Max. 24 chars)	

Ringer Action Setting	
Name (Max. 8 chars)	
Ringer Type(Max. 24 chars)	
Ringring Times (11-16 or all)	
Selection under Macro's setting	
Ring Mobile Unit (11-16 or all)	

Dial Out Action Setting	
Name(Max. 8 chars)	
Number(Max.24 number)	
Selection under Macro's setting	
Answer(11-16/all, door phone)	

Worksheet: 3-Event-Macro

Last Edited Time: _____

Objective:

After each Macro's action setting is filled in the worksheet 2-Action setting, installer is ready for the last step Event Macro setting. This worksheet is similar as the 1-Description, but only list the EVENT and its correspondent Macro name. This worksheet is needed when doing 'Event-Macro's setting' on PC configuration. This form is for user's reference and as a record for remote access and Macro control.

Event	Device	Device Number	Event	Status	Macro Name	Remot Access Code
Automatic	I/O	50	Input port 1	ON		
Automatic	I/O	50	Input port 1	OFF		
Automatic	I/O	50	Input port 2	ON		
Automatic	I/O	50	Input port 2	OFF		
Automatic	I/O	50	Input port 3	ON		
Automatic	I/O	50	Input port 3	OFF		
Automatic	I/O	50	Input port 4	ON		
Automatic	I/O	50	Input port 4	OFF		
Automatic	I/O	50	Input port 5	ON		
Automatic	I/O	50	Input port 5	OFF		
Manual	Door Phone	20	Door Bell	Pressed		
Manual	Door Phone	20	Door	Open		
Manual	Door Phone	20	Door	Close		
Manual	Mobile Unit	11	L1	-		
Manual	Mobile Unit	11	L2	-		
Manual	Mobile Unit	11	L3	-		
Manual	Mobile Unit	11	R1	-		
Manual	Mobile Unit	11	R2	-		
Manual	Mobile Unit	11	R3	-		
Manual	Mobile Unit	12	L1	-		
Manual	Mobile Unit	12	L2	-		
Manual	Mobile Unit	12	L3	-		
Manual	Mobile Unit	12	R1	-		
Manual	Mobile Unit	12	R2	-		
Manual	Mobile Unit	12	R3	-		