

# UC300 Universal Converter Reference and Installation Manual

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# **Chapter 1: Introduction**

The Paradox Universal Converter, the UC300, is an innovative device that allows the CMS to receive events and alarms from any security control panel via a Paradox IP receiver. The UC300 provides the link between CID control panel security systems and Paradox communication devices, for example the IP150 and the PCS250/PCS250G.

UC300 converts Contact ID (CID) events generated by a security panel connected to a landline interface into Paradox proprietary protocol. Events are then forwarded to the monitoring station via IP150 and/or PCS250/ PCS250G.

The UC300 enables end-users to self-monitor their secured location by allowing receipt of instant, SSLencrypted emails (via IP150) and SMS (via PCS250/PCS20G) alerts from any location supplied by a wireless provider once the system detects activity.

## 1.1 Compatibility

The UC300 is compatible with control panels that support a landline interface with CID reporting protocol. The UC300 interfaces with the following Paradox products.

- IPR512
- IPRS7
- PCS250/PCS250G version 2.12 or higher
- IP150 version 1.32 or higher / Combo
- BabyWare version 2.9.7 or higher- for product configuration
- InField version 3.8 or higher (for device upgrades)

# **Chapter 2: Overview**

The UC300, when combined with an IP150, a PCS250/PCS250G or both, forms a universal IP reporting solution allowing the connection of CID control panels to Paradox IP receivers. It is a device that converts signals coming from any panel using a landline interface with CID to Paradox proprietary protocol. This enables the end user to take advantage of Paradox communication products to get and give reports from their current system to Command Centers, Central Monitoring Systems, individuals, and emergency services.

This is a universal IP reporting solution that will complement your system communications with serial or parallel notifications. This system is fully redundant with back-up connections and protocols so that your system will continue to send reports under all adverse conditions.

Combined with IP150 and PCS250/PCS250G, the new UC300 will send reports through 3 separate media:

- landline (done by the panel)
- IP with the IP150 module (supports email)
- GPRS with the PCS250/PCS250G module attached (supports personal SMS messages sent to up to eight phone numbers)

Main features:

- Connected to the ring and tip output of any panel, the UC300 may be set to function as parallel or sequential (serial) backup
- · Reports in conjunction with landline or as a backup
- Receive, translate and forward the PSTN reporting using Paradox protocol (IPDOX)
- Supports up to 2 IP/GPRS receivers (IPR512/IPRS7/SDK) using Paradox proprietary protocol with primary and secondary addresses for each receiver
- Emulates FXS telephone line which will allow panel reporting when there is no external telephone line available
- Module configuration and status via Paradox BabyWare
- Reports via email to a maximum of 16 email accounts (when using IP150
- Reports via SMS to a maximum of 8 SMS phone numbers (when using PCS250/PCS250G)
- Firmware upgrades via IP, serial connection or GPRS
- Supports multiple languages for both the Web Interface of the IP150 and SMS
- All the relevant programing, event log and operation are done in the UC300 and restricted to installer access
- Generates contact ID on phone line interface in order to emulate landline receiver
- Monitors the landline (can be configured)
  - Switches automatically to the IP or GPRS reporting after a number of failed attempts on the landline
  - Switches automatically to IP or GPRS reporting if no landline is detected by the built-in telephone line monitoring (TLM) circuit. The UC300 also reports telephone line failure over IP/GPRS
- If needed (only if IP150 is installed) the module can be registered to PMH with polling option on/off

Programing the UC300 converter and/or reading the logs will be made via the BabyWare application using a serial adapter (307USB connector), LAN (IP150) or GPRS (PCS250/PCS250G). In case of using PCS250/PCS250G without the IP150, the first programing of the PCS250/PCS250G (APN, password, etc...) will be made by SMS command or serial adapter (307USB).

**Note:** The UC300 with the IP150 and /or the PCS250/PCS250G should be configured through BabyWare (except for email configuration by the end user).

## 2.1 Parallel and Backup

The UC300 supports two reporting sequences. Configuring the Reporting Sequence is done through BabyWare =>Reporting => Reporting Sequence. Each reporting sequence should be linked to a specific phone number.

The two methods of reporting include:

- Serial Reporting (Backup) defines the primary method for reporting and the number of failed attempts. Once the number of failed attempts is reached the UC300 will switch to the backup reporting channels if defined. Each reporting sequence supports up to 3 channels (primary + 2 backups).
- Parallel Reporting all report codes are transmitted simultaneously over all available media channels (GPRS and IP). In parallel reporting, the first media to receive a confirmation will stop reporting on other channels.

# **Chapter 3: Hardware**

## 3.1 UC300 Inputs and Outputs



Figure 1 – UC300 LEDs

- Tip/ring connect to the end user's landline (not mandatory)
- T1/R1 connect to the end user's control panel telephone line
- Serial mini type connector for FW upgrade, IP150 and PCS250/PCS250G connection
- DC in supervised power input
- Two LEDs (green and blue see LED indication section)
- Reset switch
- **Warning:** Connecting the Power Input to an AC/DC power source must be done only with a safety approved Limited Power Source (LPS) AC/DC adaptor.

**Note:** No need for a ground connection to the UC300 since the control panel has a ground connection.

### 3.2 LED Assignment

#### 3.2.1 Power – Green

Description Special Feature (Green)	Behavior
< 9v	Off
9v – 12v	Slow (1s on, 1s off) flashing green
12v – 15v Recommended Operating Voltage	Steady green
15v – 18v	Fast (0.5s on, 0.5s off) flashing green
. 10	
> 18V	Uff

**Note:** The Green LED may take up to 15 seconds before it is activated in order to allow the "DC IN" time to stabilize before it is analyzed.

### 3.2.2 Dialer Indication - Blue

Description Special Feature (Blue)	Behavior
In report listening	Steady blue
When data is recognized	Flashing blue

#### 3.2.3 Reset and Firmware Upgrade

Description Special Feature (Blue and Green)	Behavior
Reset – after holding down the reset button for 5 seconds	Blue and green flash fast
Reset – after confirmation	Blue and Green off until reboot complete
Firmware upgrade or no firmware present	Blue Blinking fast

### 3.3 Requirements

### 3.3.1 Cables

Depending on the setup you are using you will require some or all of the following cables.

Note: Extra cables may be ordered separately.

The following cables supplied in the box.

- 1 UC300 to IP150 4 wire with two 0.8mm socket ends
- 1 UC300/IP150 to PCS250/PCS250G 4 wire with one 0.8mm socket end and one 2.54mm socket end



Figure 2 – Connector Cable IP150 to UC300



Figure 3 – Connector Cable IP150/UC300 to PCS250/PCS250G

### 3.3.2 Hardware Installation 3 options.

#### **Option #1: IP150 Communication Device Only**



Figure 4 – Connecting the UC300 with an IP150

- 1. Clip the UC300 to the system panel box.
- 2. Clip the IP150 to the system panel box near the UC300.
- 3. Plug in the UC300 to the IP150 using the IP150 panel port and the UC300 serial port. See Figure 2 for the proper cable.
- 4. Connect the Tip and Ring from the UC300 to an outgoing telephone jack.
- 5. Connect the customer's control panel Tip and Ring to the UC300 T1 and R1 terminals.
- 6. Connect the 12Vdc power supply to a supervised power supply or the auxiliary port of the control panel if it provides 12v supply.
- 7. Connect an Ethernet cable from the IP150 to the LAN.
- **Warning:** Connecting the Power Input to an AC/DC power source must be done only with a safety approved Limited Power Source (LPS) AC/DC adaptor.

Option #2: PCS250/PCS250G Communication Device Only



**Note:** If you are programming the UC300 using the 307USB disconnect the PCS250/PCS250G, from the UC300 and connect the 307USB to the serial port. You may need to replace the serial cable with the cable in *Figure 3* within the 307USB.

- 1. Clip the UC300 to the system panel box.
- 2. Plug in the PCS250/PCS250G cable between the UC300 serial port and the PCS250/PCS250G serial port. See *Figure 3* for the proper cable.
- 3. Connect the Tip and Ring from the UC300 to an outgoing telephone jack.
- 4. Connect the customer's control panel Tip and Ring to the UC300 T1 and R1 terminals.
- 5. Connect the 12Vdc power supply to a supervised power supply.
- 6. Disconnect the cable from the UC300 Serial port and connect the IP150/UC300 to PCS250/PCS250G cable from the 307USB to connect to your laptop. This will allow you to configure the setup using BabyWare. See *Figure 5* insert.
- 7. In BabyWare =>Accounts use Connection Option Serial.

#### Option #3: Both IP150 and PCS250/PCS250G Communication Devices

- 1. Clip the UC300 to the system panel box.
- 2. Clip the IP150 to the system panel box near the UC300.
- 3. Plug in the UC300 to the IP150 using the IP150 panel port and the UC300 serial port. See *Figure 2* for the proper cable.
- 4. Plug in the IP150 to the PCS250/PCS250G using the IP150 PCS250/PCS250G port and the PCS250/PCS250G serial port. See *Figure 3* for the proper cable.
- 5. Connect the Tip and Ring from the UC300 to an outgoing telephone jack.
- 6. Connect the customer's control panel Tip and Ring to the UC300 T1 and R1 terminals.
- 7. Connect the 12Vdc power supply to a supervised power supply.
- 8. Connect an Ethernet cable from the IP150 to the LAN.
- 9. In BabyWare =>Accounts use Connection Option IP Static and connect through the IP150.



Figure 6 – Connecting the UC300 with an IP150 and PCS250/PCS250G

#### Using a CA38A/RJ31 Phone Jack (available from your local supplier)

A CA38A phone jack allows the user to disconnect the panel/UC300 in case of a system malfunction where the system holds the land line off the hook. The user will then disconnect the panel/UC300 from the line to enable its use by the user.



#### Figure 7 – Using a CA38A Device

### 3.4 Reset

**Reset switch** 

Resetting the UC300 puts all of the default configurations back in place.

- 1. Press reset switch for 5 seconds or until both status LEDs flash fast.
- 2. Release switch.
- 3. Press it again within the next 2 seconds to confirm the action.

After the reset, an event will be stored in the event buffer, the module will automatically perform a warm reset.

**Note:** You will need a paper clip or other thin hard tool to insert through the reset hole to the PC board ~ 1 in inside the UC300 case.

# Caution: Do not use any sharp objects like a pin or a needle as this may damage the pc board or reset switch.

### 3.5 Restart

To restart the UC300 without affecting the configuration you have two options:

- unplug the power transformer from the outlet and reinsert the plug
- restart using BabyWare

# **Chapter 4: Configure with BabyWare**

Use the Paradox BabyWare software to configure the UC300 (please note that BabyWare is not approved for EN 50131). The configuration requires Internet parameters for reporting through the IP150 and cellphone parameters for reporting through the PCS250/PCS250G.

Before configuration make sure that you have the following:

- UC300 Panel ID, PC password Default 0000 and 0000.
- If you are connecting an IP150 you will need the IP module password.
- **Note:** If you are connecting PCS250 without the IP150 you will need to initiate the connection using an SMS message or by programming the UC300 directly using 307USB. See the PCS250 Installation guide.

### 4.1 Configure Account

- 1. Open Paradox BabyWare Rev 2.9.7 or higher.
- 2. Click Accounts.

Gw Account	s V2.9.7			Q	-	-	i							
<u>F</u> ile <u>E</u> dit	<u>D</u> atabase	Schedu	le/Batch	<u>H</u> elp										
Welcom	e, Admin (	1 Ассоц	ints)					Refresh	E	Open 🝺	Save	🔇 Conn	ect 🔒 My Profile 🧳	Operators 💂
Acc 🔺	Label	Q	Group			Panel Type		Version		Connection	Opti	Contacts	System Login / Pane	System / PC Passw
0010	UC300		Residen	tial 👻		UC300	•	01.0x	•	Select	•		0000	****
<u>Add</u>														



3. Click the Connection Options Details button.

Automatically upload panel of     Programming changes     New events     Panel status (RAM)	hanges to Babyware upon connection		
IP/Static     IP Address     IP Port     IP Module Password	192.168. 1 .121 🔎 🚯 10000	O Serial COM Port Baud Rate	▼ 57600 baud
) IP/DNS Site ID IP Module Password		COM Port COM Port Modern Type * Modern init. string for Con	See Instruction
GPRS:Public Network	192.168.0.1 10000 192.168.0.1 15000	Panel Phone # Modern Response Advanced Test Answering Machine Overrice	Telephone number Windows Modern Options de

Figure 9 – Connection Options Settings

Note: Talk to the system administrator regarding the settings and parameters.

4. Click 🔎 to locate the IP150 module on the LAN.

w Locate IP Device on Network		Sectors.		-				
Please select the IP Device you w	ant to connect to				Network Ada	pter 10.0	.0.45	
Site Name	Device	IP Address	Port	MacAddress	Serial #	DHCP	Control Panel	
Your Paradox System	IP150	10.0.0.81	10000	00:19:BA:03:2E:2B	7100FC2B	yes	n/a	
IP Device Detected: 3							Configure	Refresh
X Cancel								🗸 ОК

Figure 10 – Select the IP150 Device

5. Write down this information. You will need it to set port forwarding for the port and for binding the IP to the MAC address in your router. Reserve this IP address.

### 6. Click Configure.

In the UC300 Properties => Reporting => Network Settings=> Internet Settings set the IP address and port numbers to match the Accounts and router settings.

Now go to your router web page and port forward the port according to the information in the "Locate IP Device on Network" window.

In the router browser window, bind the MAC address to the IP address from the "Locate IP Device on Network" window.

- 7. Port forward the IP150 IP address in your router.
- 8. Reserve the IP address (Bind the MAC to the IP address).

Locate IP Device on Network	¢		-	No. of Concession, Name	2 The second		×			
O Please select the IP De	vice you want to conne	ct to		Network A	dapter 10.0.0.90		•			
Site Name	Device	IP Address	Port	MacAddress Serial #	DHCP Control Pan	el				
Your Paradox System	IP150	10.0.0.3	10000	00:19:BA:03:2E:2B 7100FC2B	yes n/a		-			
P Device Detected: 3						Configure Refresh				
X Cancel						✓ ОК				
w Reporting							Į,	IAT >> Open Port		
Eile Network Settinge CMS (/	CBBC) Bacaiust Ca	tingo Doporti	na Coquene	Banading Trouble BC Communicat	ion (Robullion)	ar Pattinga	_	dit Port Forwarding Entry		
Network Setungs Sm3 (	SFRS) Receiver Se	ungs Report	ny Sequenc	e Reporting Houble PC Communicat	uun (Babyware) Ou	iei Seurigs	ז וור	Enable		
Communication Options	3							Name		Paul UC300
IP Communication Mod	ule Network Failure Tir	ne	32 🌲 :	seconds				Destacel		
	0.0							FIOLOCOI		TCFTODE
Internet Setungs OPP	is setungs						Ш.	WAN IP		ALL
Complete this section if yo	u are using an IP module	for internet comm	unication					Start Port		10000
IP Settings				DHCP Assigned IP Addres	ses			End Port (optional)		10000
DHCP	Enabled						ШТ	Local Host		10.0.0.3
Static IP Address	192.168.	.250		IP Address:	000.000.000.	000		Local Port (optional)		20480
Static Subnet Mask	255.255.25	55.0		Subnet Mask	000.000.000.	000	111		-	
Static Gateway	192.168.	1.1		Gateway	000.000.000.	000			OK	Cancel
Static DNS Server	192.168.	1.1		DNS Server	000.000.000.	000				
Software Port	10000									
HTTP Port	80									
HTTPS	Enabled			Language						
HTTPS Port	443			Web Page Language	English					
MAC Address	00-00-00	-00-00								
Any changes made in ti programmed into it.	his section might cause	e the panel to disc	connect once							

Figure 11 – Reserve the IP

Bind IP to MAC								
Note: IP-MA	C binding presets I	DHCP Allocation	s.					
lf you	select Strict Bind,	unspecified LAN	clients canno	t acc	ess the Ir	nternet.		
Enable	🔍 Disable 🔍 St	trict Bind						
ARP Table	Select	All   Sort   Refre	esh   IP Bind	List			<u>Select All</u>	<u>Sort</u>
IP Address	Mac Addı	cess 🔺	Index	IP	Addres	s Mac Add	lress	
10.0.0.7	5C:95:AH	::1E:DC:74	1	10.	.0.0.16	6 00:19:E	A:02:E9:E	8
10.0.0.8	88:32:9E	3:A1:76:D0	2	10.	.0.0.18	48:02:2	A:CD:56:F	3
10.0.0.12	E4:CE:81	:86:74:37	з	10.	.0.0.13	2 00:19:E	A:03:04:5	3
10.0.0.18	48:02:22	A:CD:56:F3	4	10.	.0.0.15	2 00:19:E	A:01:9D:2	A
10.0.0.88	60:21:C0	:63:82:82	5	10.	.0.0.3	00:19:E	A:03:2E:2	в
10.0.0.90	44:8A:5E	3:0C:DE:C6 -						
Mac Address	00 : 19 : BA	: 03 : 2E : 2	В					-
Comment	Paul_UC300						Show Cor	mmen
Web Portal	🖲 Default 🔍 By	pass Login 🔍 Di	isable (Bypas	s) All				
		Add	Update		Delete			
Gw Locate IP Dev	ice on Network			-	-	-		
O Please s	elect the IP Device ye	ou want to connec	t to				N	etwork
Site Name		<ul> <li>Device</li> </ul>	IP Address		Port	MacAddress	Serial #	
Your Parado	x System	IP150	10.0.0.3		10000	00:19:BA:03:2E:2B	7100FC2	в
IP Device Detec	ted: 3							

Figure 12 – Bind the MAC to the IP Address

# 4.2 Configure Properties

X

Cancel

Grw BabyWare V2.9.7 -	UC300							
<u>File View T</u> ools	Events Commu	nication <u>H</u>	elp					
Accounts	Save 🚔 Prin	nt 😽 Tras	h 🚯 Connect	🕗 Refresh 👩 S	Send 👩 Receive	🔺 In-Field 🌓 Tran	islate _	
🔒 Users 🔇 F	Reporting Langua	ges • 💂						
Category A Control Panel	Serial # C	<b>#</b>	Volt A	Auto Label		🔍 Location		Manual Controls and Status
UC300	N/A	1		Enter Label		Enter Locati	on	
Communication Mo	dules							
4				11				, ,
All Events		- 7	Custom Filters	Print Events	s St	ow Deleted Events	🛛 😋 🛛 Load buffere	ed events to update pending events
Date+Time	🔍 Туре		Q,	AccoQ Event.Q D	escription			Q ParQ Zon.Q SQ Additional Information
								•
Disconnected RX	TX NUM	Account: U	C300 Operator: Ac	imin 0 Events				DC:

Figure 13 – Home Screen

- • ×

Refresh

OK

Image: A start of the start of

•

\*

.

Adapter 10.0.090

yes

DHCP Control Panel

n/a

Configure

9. Right click the UC300 and select Properties.

Gw Con	itrol Panel			
Labe	1	Location	Serial #	O View Picture
UC30	00 communications panel	Security Room	0A0004F0	I view i iciule
Systen	n Programming			
2	Users			
8	Reporting			
$\otimes$	Update Panel Time			
8	PC Communication (Baby	Ware)		
		Figure 14 – Cor	ntrol Panel	

If you make any changes to the default settings click **OK** to save your changes.

### 4.3 Users

In BabyWare fill in the User Identification and Number 000 and Code. There is a user #000 with code #123456. This is the master user. The code can be changed for security purposes. This code is needed to by the end user to connect to the IP150 web page. There you can configure the email SMTP and recipient email addresses.



Figure 15 – User configuration

### 4.4 Reporting

### 4.4.1 Internet Settings

If you have an IP150 or a PCS250/PCS250G or both connected to your UC300 set the network parameters in this dialog box. The left tab is for IP150 and the right tab is for the PCS250G.

**Note:** Settings vary according to the Internet provider. Typically, it will be DHCP.

Communication Options	Natwork Failura Tima		
IF Communication would		seconds	
nternet Settings GPRS	Settings		
Complete this section if you	are using an IP module for internet communication		
IP Settings		DHCP Assigned IP Addres	ses
DHCP	Enabled		
Static IP Address	192.168. 1 .250	IP Address:	000.000.000
Static Subnet Mask	255.255.255.0	Subnet Mask	000.000.000.000
Static Gateway	192.168.1.1	Gateway	000.000.000.000
Static DNS Server	192.168.1.1	DNS Server	000.000.000
Software Port	10000		
HTTP Port	80		
HTTPS	Enabled	Language	
HTTPS Port	443	Web Page Language	English 👻
MAC Address	00-00-00-00-00		
Any changes made in this programmed into it.	section might cause the panel to disconnect o	nce	
www.paradoxmyhome.com	n (PMH)		
Register			
Polling Time	0 💭 Minutes		

Figure 16 – Network Settings

#### To get the Internet settings:

1. From the BabyWare home page click **Communications**.

Gw BabyWare V2.9.7 -	UC300					
Eile ⊻iew Tools	Events C	ommunication Help				
Accounts 🝺	Save	Connect Disconnect	Connect 🧑	Refresh 👩 Send 🙀	Receive 🔺 In-Field 🌔 Translate 👳	
🔒 Users 🔇 R	Reporting	Panel ID / Password				
E Category	Serial	Settings	Auto	Label	Q Location	Manual Controls and Status
Control Panel		Receive	45			
E UC300	N/A	Send		Enter Label	Enter Location	
Communication Mo	dules	Defeat				
	_	Refresh	1			
•						
All Events		Custom F	Filters	Print Events	Show Deleted Events	oad buffered events to update pending events
Data+Time	0	Turne	0 4000			Par     Zan     S     Additional Informa
Daternine	4	iyhe	Accos	<ul> <li>Evenuse Description</li> </ul>		Sig Faiss Zoitiss Sig Additional morma
•						4
Disconnected RX 1	TX NUM	Account UC300 Op	erator: Admin	) Events		DC:

Figure 17 – Access UC300 Internet Settings

### 2. Select Settings.

<ul> <li>Automatically upload panel c</li> <li>Programming changes</li> <li>New events</li> <li>Panel status (RAM)</li> </ul>	hanges to Babyware upon connection		
IP/Static		Serial	
IP Address	0 . 0 . 0 . 0	COM Port	·
IP Port		Baud Rate	Autodetect
IP Module Password	•••••		
O IP/DNS		Modem	See Instruction
Site ID	Paul 4 UC300	COM Port	·
IP Module Password		* Modern Type	Panel supporting 1200bps
		Papal Phana #	Telephone number
GPRS/Public Network		Fallel Fliolle #	
IP Address	192.168.0.1	Modem Response	<u>_</u>
IP Port	10000	Advanced Test	Windows Modem Options
GPRS Module Password	192,168, 0 , 1	Answering Machine Override	
Call Back Port	15000	Ring Cycle Duration	0.0 📩 Get Ring Cycle Duration
GPRS/Static		GPRS/Private Network	
IP Address	192.168.0.1 🔎 🤅	Call Back Port	15000
IP Port	10000	GPRS Module Password	
GPRS Module Password		SMS Initiation String	Refresh

Figure 18 – Communications => Settings => Connection

- Select Connection Tab.
   Click P to locate the IP150 module on the LAN.

Gw Locate IP Device on Network								
Please select the IP Device you w	ant to connect to				Network Ada	pter 10.0	.0.45	
Site Name	Device	IP Address	Port	MacAddress	Serial #	DHCP	Control Panel	
Your Paradox System	IP150	10.0.0.81	10000	00:19:BA:03:2E:2B	7100FC2B	yes	n/a	
IP Device Detected: 3							Configure	Refresh
X Cancel								🗸 ОК

Figure 19 – Select the IP150 Device

### 5. Click **Configure**.

# 4.5 GPRS Settings

If you are using a PCS250/PCS250G you must configure this page.

Grw Reporting	of Streems and Streems	-	Annual Concession	
<u>F</u> ile				
Network Settings SMS (GPRS)	Receiver Settings Repor	ting Sequence 🥄 Reporting	g Trouble PC Communication (E	BabyWare) 🔍 Oth
Communication Options				
IP Communication Module Netv	vork Failure Time	32 🚔 seconds		
		<b>X</b>		
Internet Settings GPRS Settin	ngs			
Complete this section if you are us	ing a PCS module for GPRS com	munication		
Main Sim Card			GPRS Module	
Access Point Name (APN)		0 / 32	GPRS Module Password	admin
User Name		0 / 32	GPRS Software Port	4135
Password		0 / 32	GPRS DNS Server	0.0.0
Bandwidth Saver	Enabled		GPRS Assigned IP Address	000.000.000.0
			MAC Address	00-00-00-00-00-00-00-00-00-00-00-00-00-
Backup Sim Card			GPRS Module Reporting CID C	ode
Access Point Name (APN)		0/32	CPU Reset	0
User Name		0/32	0.010000	
Baseword		0/32		
Bandwidth Savar		07.52		
Bandwidth Saver	LI Enabled			

Figure 20 – GPRS Settings

**Note:** These parameters are usually provided by the cellular network provider.

# 4.6 SMS Settings

You can set up to 8 phone numbers for SMS in BabyWare.

work Settings SMS						
work Settings Sins	(GPRS) Receiver Settings Re	porting Sequence 🥄 Reporting	g Trouble VPC Commun	ication (BabyWa	are) 🔍 Other Setting	
Language SMS Language	English	•				
SMS Phone Numbers						
Name	Sms Phone number	Report Alarm/Alarm Restore	Report Arming/Disarming	Report Trouble	Report Trouble Restore	
SMS Phone #1						
SMS Phone #2						
SMS Phone #3						
SMS Phone #4						
SMS Phone #5						
SMS Phone #6						
SMS Phone #7						
SMS Phone #8						
Pre-Paid Sim Card Not When the PCS module message will be forwa	ification receives an SMS from the "Source' rded to the selected phone number	' specified below, the SMS S				
Source Telephone Nur	nber #1	0/32				
Source Telephone Number #2 0 / 32						

Figure 21 – Configuring SMS (Text Messages) Phone Numbers

# 4.7 Configuring Receiver Settings

The IP150 sends reports to the CMS through the Internet. The IP Addresses of the CMS and other monitoring stations is configured through BabyWare.

Receiver settings come from the CMS. They supply you with all of the IP parameters of their server.

Reportir	g							- 0	x
ile	1								
letwork S	ettings SMS (GPRS)	Receiver Settings	Reporting Sequence	Reporting Trouble	PCC	communication (BabyWare) 🔍	Other Settings		
-IP Rec	ceiver #1				-IP Rec	ceiver #2			
						galation			
۲	WAN1 IP Address	0.0.0	0.0		۲	WAN1 IP Address	0.0.0.0		
O	Wan 1 DNS			0 / 32	0	Wan 1 DNS		0/32	2
	WAN1 IP Port	0				WAN1 IP Port	0		
۲	WAN2 IP Address	0.0.0	0.0		۲	WAN2 IP Address	0.0.0.0		
O	Wan 2 DNS			0/32	O	Wan 2 DNS		0/32	2
	WAN2 IP Port	0				WAN2 IP Port	0		
	Register Password			0 / 32		Register Password		0/32	2
	IP Account Number	0000	4/4			IP Account Number	0000 4 / 4		
	Replace incoming land lin	ne account number w	vith the one used for reg	istration		Replace incoming land line a	ccount number with the one used for registratio	in	
	Replace account number	Enabled	t			Replace account number	Enabled		
	IP Security Profile	0				IP Security Profile	0		
IP Re	porting				IP Re	porting			
	Register	Unregistered	t			Register	Unregistered		
GPR	S Reporting				GPR	S Reporting			
	Register	Unregistered	i			Register	Unregistered		
Car	icel							<ul> <li>o</li> </ul>	ж
					_				

Figure 22 – Receiver Settings

# 4.8 Trouble Reporting

Configure the reporting trouble parameters.

work Settings (SMS (GPRS) (Rec	eiver Settings Reporting Sequence	Reporting Trouble	PC Communication (BabyWare) Othe	ar Settings
Trouble Reporting Options				
Landline Supervision	Enable	ed		
Trouble Reporting				
Reporting Trouble Code				
Account Number	Use Reporting Sequence #	1 •		
	Description		Active	
Landline Monitoring Failure/Restore	8		E	
Time Date Loss/Set	-			
PC Connected			(m)	
PC Disconnected				
IP150 Ethernet Cable Unplugged				
IP150 DHCP Error				
PCS250 Tamper				
PCS250 GPRS no Service				
Module Missing				
Receiver Communication Failure/Re	estore			
Receiver Polling Error				

Figure 23 – Reporting Trouble Window

If you make any changes to the default settings click OK to save your changes.

## 4.9 Reporting Sequence (Parallel or Serial)

To configure the reporting sequence parameters through BabyWare

	(				()	., (	
Reporting Seq	uence #1			Reporting Seq	uence #2		
Trigger				Trigger			
Telephone Nu	mber		0/32	Telephone Nu	mber		0/32
Channels Sec	uence			Channels Sec	uence		
Parallel (si	multaneous reporting)			Parallel (si	multaneous reporting)		
Serial (seq Serial (seq	uential reporting)			Serial (seq	uential reporting)		
Primary	None	•	# of failed attemps 0 🚔	Primary	None	•	# of failed attemps 0
¥				+			
Backup #1	None	•	# of failed attemps 0	Backup #1	None	-	# of failed attemps 0 🚔
¥				+			
Backup #2	None	-	# of failed attemps 0	Backup #2	None		# of failed attemps 0 🚔

Figure 24 – Reporting Sequence Window

# 4.10 PC Communication

### Default settings are 0000 and 0000

	aw Reporting		
	<u>F</u> ile		
	Network Settings	SMS (GPRS) Receiver Settings Reporting Sequence Reporting Trouble PC Communication (BabyWare)	Other S
İ	PC Communica	ation	
l	Panel ID	0000	
	PC Password	0000	
ł			
	X Cancel		<ul> <li>Image: A start of the start of</li></ul>

Figure 25 – PC Settings

If you make any changes to the default settings click OK to save your changes.

# 4.11 Other Settings

These settings come from the CMS.

aw Reporting			_ 🗆 🗙
Eile			
Network Settings SMS (GPRS) Receiver	Settings Reporting Sequence Reporting	Trouble PC Communication (BabyWare) Other Settings	
Dialer		System	
CID Dial, Handshake and Kissoff Tones		Reboot	
Dial Tone #1 Frequency	350 🚔 Hz	Restart Restart the UC300	
Dial Tone #2 Frequency	440 🚔 Hz		
Handshake Off-Hook Duration	2000 🌧 ms	Reporting	
Handshake Tone #1 Frequency	1400 🚔 Hz		
Handshake Tone #1 Duration	100 🊔 ms	Cancel Cancel Pending Local Event Reporting	
Handshake Pause Duration	100 🊔 ms		
Handshake Tone #2 Frequency	2300 📮 Hz		
Handshake Tone #2 Duration	100 📥 ms		
Kissoff Tone Frequency	1400 🚔 Hz		
Kissoff Tone Duration	750 📥 ms		
Reset Tones	Reset the dial tones, the handshake tone sequence and the kissoff tone to the factory default values		
Dialer Sensitivity Attenuation	Enabled		
Cancel		(	🗸 ок

Figure 26 – Dialer CID Tones

## 4.12 Firmware updating

Firmware is updated using In-Field software. Firmware ican be upgraded via all media:

- Direct connect through 307USB
- Ethernet through IP150
- GPRS through PCS250/PCS250G

## 4.13 SMS / Text Messages

Personal Reporting of events is available through SMS (if a PCS250/PCS250G is present). Up to 8 SMS destinations can receive personal reporting.

Each event shall be classified according to group,

- Alarm
- Trouble
- Trouble Restore
- Arm/Disarm

For each event group you have the ability to enable / disable the personal reporting for each phone number. See *Figure 21* on page 22.

For more information, please refer to the PCS250/PCS250G Reference and Installation Manual.

Compatibility

The UC300 is compatible with all control panels that use CID protocol.

# **Chapter 5: Entering Email Addresses to a Reporting List**

As the Installer you need to:

- 1. Do port forwarding on the IP150 in the router.
- Register the IP150 to ParadoxMyHome in BabyWare=>UC300 => Reporting=> Network Settings => Register

For more information, please refer to the <u>IP150 Internet Module User Guide</u>.

# Appendix A Specifications

Voltage input	12 - 15 VDC
Weight	166g (5.86 OZ)
Dimensions	(H x W x D) 4.0 cm x 10.3 cm x 2.3 cm (1.57in x 4.05 in x0.9 in)
Current consumption	60mA excluding the IP150 and the PCS250/ PCS250G.
Operating temperature	-10° C to +55° C (14° F to 131° F)

The following table describes the technical specifications for the UC300 Only.

Serial interface will drive 12V to support IP150 and/or PCS250.

# Appendix B Certifications

EN 50131-1, Grade-3 (only with Grade 3 compatible Alarm System) EN 50130-5 Environmental Class II EN 50136-1: 2012; EN 50136-2: 2013 ATS Category SP4 (formerly known as ATS4) Operation Mode: Pass-Through Certification Body: Applica Test and Certification



#### FCC and Industry Canada Compliance Statement

This device complies with FCC Rules Part 15 and with Industry Canada license exempt

RSS standard(s). Operation is subject to two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference that may be received or that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) l'appareil ne doit pas produire de brouillage, et

(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

# Appendix C Configuration of the PCS250/PCS250G

To configure the PCS250/PCS250G go to Paradox.com or click here Paradox PCS250G module page.

# Appendix D Error Reporting

Trouble/Restore UC300 Trouble landline missing Date and time lost IP150 module missing PCS250/PCS250G module missing Fail to com receiver 1 Fail to com receiver 2 IP150 Trouble Internet cable disconnected PMH polling error Internet communication failure IP supervision receiver 1 lost IP supervision receiver 2 lost DHCP error PCS250 Trouble **GPRS** No service IP supervision receiver 1 lost IP supervision receiver 2 lost Tamper



The whole Paradox team wishes you a successful and easy installation. We hope this product performs to your complete satisfaction. Should you have any questions or comments, please do not hesitate to contact us.

For support, please contact your local distributor or dial +1-450-491-7444, Monday to Friday, from 8:00 a.m. to 5:00 p.m. EST. You may also e-mail us at support@paradox.com. Additional information can be found at PARADOX.COM

paradox.com