PARADOX

 IPC010

 IP to CMS Converter

 Image: Converter

V1.02.002 (HW ECO: Z030)

For the latest and previous version manual updates, please refer to paradox.com/Manuals/IPC10.pdf.

New in this version:

- Fixed 1024 account limitations (5000 accounts can be used).
- Removed firmware upgrade button for master users (only an owner can upgrade the firmware).
- Additional improvements.

Introduction

The IPC10 receives signals from Paradox systems/accounts encoded with Paradox IP protocol, records, converts them to known formats, and sends them to the central monitoring station (CMS) software. If the CMS is down, a built-in 20,000 event buffer is available for temporary use until the CMS is back online. The IPC10, based on MQTT technology, is continuously supervised, reliable, and fast. Reporting from the head unit to the CMS cycle is usually completed in less than 100ms. The IPC10 is designed with a very small 1U rack enclosure footprint, high account monitoring capacity of up to 5,000, single and only ethernet cable connection, very low power consumption of 6W, reliability, and redundancy with less than five minutes replacement time if needed to full operation. The IPC10 includes backup batteries for up to 20 hours of operation and will work in a closed network without internet with supported versions of reporting devices (IP180, IP150+MQ).

Main Features

- Up to 5,000 supervised accounts (20,10-, or 5-minutes supervision), 3,500 accounts at 90 seconds.
- 100ms reporting cycle from the head unit to the CMS or from M wireless devices to the CMS.
- Supports closed network operation (supporting devices: IP180 V1.00.015, IP150+MQ V6.15.00 and above, BabyWare V5.06.44 and above).
- Fully encrypted communications with AES 128-bit certificates.
- Fully supervised connection to accounts.
- Simple and fast uptime with minimal programming (input network configuration), auto, and seamless registration from Paradox M devices and legacy MQTT reporting devices.
- One single-wire Ethernet connection to IPC10, for data and PoE; no other connections available or needed.
- Support all legacy Paradox systems with IP180 or upgraded IP150+MQ (version 6.0 and higher) or PCS265V8 (version 8.0 and higher).
- · Five minutes up and full monitoring running replacement. Only network configuration is needed for the replaced receiver.
- Connect to CMS software via local Ethernet, supports Sur-Gard MLR2-DG, Ademco 685, or Ademco CID-TCP formats.
- Support for many customizable report codes.
- 20,000 event internal buffer.
- Simple and minimal UI for programming or use when the CMS is down.
- Low footprint (rack mount 1U) and low power consumption.
- CMS receives offline and online status regardless of events.
- Fully remotely upgradable via local Ethernet.

Was introduced in version 1.01.000 (HW ECO Z030)

- New hardware with built-in Lithium-Ion battery backup for up to 20 hours of operation and battery shutdown illuminated switch • if IPC10 needs to be shut down.
- Internal clock battery. •
- Support for closed networks operation (supporting devices: IP180 V1.10.00, IP150+MQ V6.10.00 and above, BabyWare • V5.06.40 and above).
- Events are always sorted by order received with receiver time. ٠
- UI improvements and additional custom codes. .
- Hardware ECO Z030 (first released hardware) will run V1.01.000 except for keeping time in closed networks after • complete power down and no backup batteries.



Figure 1



Connection in Closed Network

Figure 2



IPC10 Overview

LED Indicators

Button/LED	Description					
Battery Switch	The battery switch must always be pressed (ON) when the IPC10 operates. The switch is used only to power down the IPC10 in case of storage or transport. To power down, depress the switch and remove RJ45 (PoE). Note: The Battery Switch LED is always ON, as long as the switch is pressed, and the battery is not depleted.					
Power	reen – Power ON (PoE or battery)					
Events	reen blinking – Events are being received from reporting devices					
MQTT	Green – MQTT broker running					
Gateway	Green – Valid gateway					
СМЅ	Green – Connected to the CMS Amber blinking – Transmitting data to the CMS					
User	Green – User connected to the IPC10 UI					
DHCP/Factory default Reset	Used to restore DHCP connection or reset to factory default. Use a pin to gently press the reset button. For DHCP restore: Momentary press up to three seconds. The DHCP status will be indicated by three flashes of all LEDs. This will clear the fixed IP address and the restore factory network default settings. Reset to Factory default - Press for at least 10 seconds until all LEDs start flashing and then depress. LEDs will shut down and the IPC10 will restart; all values will be set to factory default, and all data (including events) will be erased and DHCP will be activated.					

Location and Mounting

The IPC10 can be mounted on a 19" (48.3 cm) rack. Use appropriate mounting hardware to secure the unit to the rack.

Hardware Installation

Connect the Ethernet cable from the router with PoE (max 8W consumption) to the Ethernet port located in the front of the IPC10, refer to Figure 3.

Configuration

Note 1: In Legacy panel programming, only IP address, port, and supervision are needed, there is no need to enter the receiver password, it is not used.

Note 2: Please do not attempt to open the IPC10. Only distributors should open the IPC10. Damaged protection stickers will void service and warranty.

Note 3: IPC10 events will always be displayed in the order received, please set up the IPC10 time zone in Configuration > Other > Date Time > Time zone.

Locate the IPC10 on the network using an IP scanner or using the CMD command.

How to Locate the Receiver's IP address using an IP scanner:

Search for the IP address of the IPC10 using a standard IP scanner. It will appear as IPC10-SERIALNUMBER. The serial number will be printed on the label located on the back of the IPC10.

How to Locate the Receiver's IP address using the command prompt:

Open Command Prompt (CMD) on a Windows PC in the same network as the IPC10. Enter the following command: arp -a | findstr receiver's Mac address (printed on the label located on the back of the IPC10).

Example: arp -a | findstr e4-5f-01-33-4f-91

The IP of the IPC10 receiver should be shown, see below.



- 1. Enter the IPC10 IP address you found in a web browser, followed by port 8080 to access the web user interface (e.g., http://192.168.88.202:8080). The UI page will appear on your browser. The USER LED on the receiver will light up.
- The IPC default name is IPC10-Serial number. This will be used to identify the IPC10 physically in case you have more than one IPC10 on the network. We suggest printing the name and sticking it on the front of the receiver. When multiple IPC10s are installed, you can also locate it with the user LED that will be ON when logged in.
- Create a username. Create a password of a minimum of six alphanumeric (case-sensitive) or special characters. Confirm password. Enter your email address. Confirm email address. Press the Verify Email button. A confirmation email with a code will be sent. Enter the code from the email. Press Login.
- 4. If you forget your password, click the Forgot Password link on the Login screen, and enter the owner's email, a verification code will be sent. Enter the code from the email. Create a new password. Confirm password. Click Reset Password.
- 5. If you are on a closed network, skip the email verification by clicking on the checkbox.

PARAJUA	
Welcome to IPC10 (S/N: 10000000e189f9c7)	
IP to CMS converter	
Receiver name 🚯	
ipc10-10000000e189f9c7	
Username	
Create Password	
	<u>Hide</u>
Password minimum 6 alpha numeric or symbols (case sensetive)	
Confirm Password	
	<u>Hide</u>
Closed network, Skip email verificaton	
n owner password rost, receiver reset to default will gain access to receiver.	
Lindii	
Confirm Email	
Confirm Email Code from Email Verify Email Help us improve	
Confirm Email Code from Email Uterify Email Help us improve	

User Management:

The IPC10 offers three levels of users:

Owner: The owner has full rights in the receiver and can create or delete masters and users. Only the owner has an email address to be used as a forgot password restore email address.

On first power up or after reset to default, (or if you upgrade from previous versions), the owner is required to enter a username, email address, and confirm email address. A verification email will be sent with the verification code, once the code is entered, this email will be used to recover the owner's password. To log in, the owner needs their username and password.

Master: A master has the same rights as an owner except with the ability to delete or upgrade the receiver firmware.

User: Users have view rights only for the event lists and accounts.

Manage users: This allows you to manage users on the Configuration page and is available for owner and masters.

<u>Help us to improve</u>: The owner can select this option upon first-time login or in the About page by owner or masters. Only statistics like the number of accounts, processor load pics, and average load are sent periodically no specific data of any kind is sent. This will help us to monitor the performance and capabilities of the IPC10 in the future.

Main menu options:

Events	Reported to CMS events time received are displayed in green, and non-reported yet are displayed in black. Priority alarm events (CID 1XX) will be reported with high priority. Up to 20,000 events will be buffered on a first-in, first-out basis.
Accounts View or suspend from CMS reporting accounts. Note: The account will be report based on a panel account code length of 4 or 10 digits.	
Configuration	Configuring network and necessary fields (IP, port, time, etc)
About	Provides IPC10 information and security profiles.
Logout Allows you to log out of the application.	

Search: Enter panel serial number, device serial number, or account number in the search field.

	←	E	events	Q Search								
P		C	CMS online for 15 da	ays 12:05:09						202	4-07-	26 14:24:20
			Evport to evcel file								Dofresh D	anu 7 sproule ca
	Events											
			IPC10 received time 4	Panel event time	Account# U	Event CID# 🔱	Description	Panel S/N 🕔	Reporting Device S/N U	Device Type/Connection	Area	Zone/User
带	Accounts		26-Jul-2024 14:06:36	26-Jul-2024 10:01:00	cf46	E 602	Periodic test report	0860204A	S13VC0ZU	IP (WIFI)	0	0
	0 C		26-Jul-2024 14:06:02	26-Jul-2024 10:01:01	9696	E 602	Periodic test report	08602049	\$172064CCE	IP (ETH)	0	0
	Configuration		26-Jul-2024 14:04:23	26-Jul-2024 14:04:22	9999	E 401	Open/Close by User	29303E0B	S17D2069AA	PCS (LTE)	1	1
	About		26-Jul-2024 14:04:23	26-Jul-2024 14:04:22	9999	E 406	Cancel	29303E0B	S17D2069AA	PCS (LTE)	1	1
			26-Jul-2024 14:04:22	26-Jul-2024 14:04:21	9999	R 130	Burglary	29303E0B	S17D2069AA	PCS (LTE)	1	3
	Logout		26-Jul-2024 14:04:13	26-Jul-2024 14:04:12	9999	E 130	Burglary	29303E0B	S17D2069AA	PCS (LTE)	1	3
			26-Jul-2024 14:03:28	26-Jul-2024 10:02:45	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	2	18
			26-Jul-2024 14:03:27	26-Jul-2024 10:02:44	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	1	18
			26-Jul-2024 14:03:24	26-Jul-2024 10:02:41	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	2	17
			26-Jul-2024 14:03:23	26-Jul-2024 10:02:40	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	1	17
			26-Jul-2024 14:03:12	26-Jul-2024 10:02:28	fe11	R 401	Open/Close by User	2A2029B7	\$172060175	IP (ETH)	2	1
			26-Jul-2024 14:03:10	26-Jul-2024 10:02:27	fe11	R 401	Open/Close by User	2A2029B7	S172060175	IP (ETH)	1	1
			26-Jul-2024 14:02:24	26-Jul-2024 14:02:23	5075	E 100	Medical	211016E0	\$17D2069A5	PCS (LTE)	2	0
			26-Jul-2024 14:02:23	26-Jul-2024 14:02:22	5075	E 100	Medical	211016E0	S17D2069A5	PCS (LTE)	1	0
			26-Jul-2024 14:01:34	26-Jul-2024 14:01:33	9999	R 401	Open/Close by User	29303E0B	S17D2069AA	PCS (LTE)	2	1
			26-Jul-2024 14:01:33	26-Jul-2024 14:01:32	9999	R 401	Open/Close by User	29303E0B	S17D2069AA	PCS (LTE)	1	1
			26-Jul-2024 14:00:18	26-Jul-2024 14:00:17	5075	E 412	Successful download/access	211016E0	S17D2069A5	PCS (LTE)	1	0
			26-Jul-2024 13:59:26	N/A	****	E 314	IPC10 power up	00000000	00000000	Receiver (Wired)	0	0
			26-Jul-2024 13:59:15	N/A	111111111	R 314	Primary power supply failure	00000000	00000000	Receiver (Wired)	0	0
			ar Manual Instance			5.02	Mich Is also	00000000	0000000	Barahara (Marah)		-

The Configuration tab is used to program the IPC10, refer to the table on page 6.

User Configuration:

Available for the owner, up to 25 users may be added to the IPC10. The owner is the only one that can add/delete and modify users in the IPC10. The Master will be able to view all the users except for the Owner information.

←	Confi	gura	Q Search					
	CMS	onlir	ne for 15 days 12:05:09					2024-07-26 14:24:52
Events	Rece	eiver U	isers 4/10	First name	l ast name	Permissions	Paceword	ADD USER + Save Changes
群 Accounts		1	ealves@paradox.com			Owner		۲
	₪	2	jsmith@gmail.com	John	Smith	Master		۲
About	₿	•	kbrown@gmail.com	Kate	Brown	View only		۲
[→ Logout	団	•	mwaters@gmail.com	Michael	Waters	View only ~		۲

Network Configuration:

	÷	Configuration	Q. Search
		CMS online for	15 days 12:05:09 2024-07-26 14:24:52
	-		
	Events	Network Configura	tions Swe Charges
			WAN
***	Accounts	DHCP	0
ക	Configuration	UI Web Port	8080
		Reporting Device Port	8883
	About	IP Address	10 + 10 + 156
		Netmask	255 · 255 · [255 · 0
	Logout	Gateway	10 - 10 - 1
		DNS Primary	10 - 10 - 1
		DNS Secondary	8 - 8 - 8
		DNS Primary DNS Secondary	10 - 10 - 1 8 - 8 - 8

DHCP	DHCP is selected by default. The IP address will be assigned by the router. STATIC IP ADDRESS must be programmed at the CMS router by the IT manager based on the MAC address of the IPC10 that can be found on the About page. NOTE: If a wrong IP address is saved, you can restore the DHCP status by pressing momentarily on the DHCP/Reset button.		
UI Web Port The default port is set to 8080 and can be changed if needed. Defines the port number ass Web User Interface access. Port numbers can be between 1 to 65535.			
Reporting Devices Port	Default MQTT access is 8883 – it MUST be open.		
IP Address	Defines the local converter network address set up by the CMS IT manager. The IP address programmed at the reporting device's end is forwarded internally at the CMS to the local IP address of the receiver. The remaining fields should be assigned by the DHCP (network, gateway, DNS primary and secondary) or programmed manually if the DHCP is off.		
Netmask	To be assigned by the CMS IT manager or by the DHCP service.		
Gateway	To be assigned by the CMS IT manager or by the DHCP service.		
DNS Primary	To be assigned by the CMS IT manager or by the DHCP service.		
DNS Secondary	To be assigned by the CMS IT manager or by the DHCP service.		

CMS Output Configuration:

÷	Configuration	Q Search			
	CMS online for	15 days 12:05:09			2024-07-26 14:24:52
E Events	CMS Configuratio	n			Test network Save Changes
截 Accounts	Security Protocol	AdemcoCID-TCP	Two Stage Authe	ntication	
	CMS Port	15550 (from 1 to 65535)	CMS Tag	0 (from 0 to FF, 0 disabled)	
Onfiguration	IP	207 • 236 • 89 • 86	Additional Field	None	
0	Receiver ID	1 (from 0 to F)			
() About	Group ID	4 (from 0 to F)			
[→ Logout	Wait ACK/NACK	6 seconds (from 1 to 15)			
	Link Test	60 seconds (from 15 to 240, 0 disabled)			

CMS Output Protocol	Configure the output protocol used by the IPC10 Converter to the CMS software. Supported protocols are Sur-Gard MLR2-DG (default), Ademco CID-TCP, and Ademco 685.
IP	Defines the IP address assigned to the CMS software.
Port	Defines the port number assigned to CMS software. Port numbers can be between 1 to 65535.
Beesiver ID	Defines the unique ID assigned to the IPC10. The Receiver ID can be between 0 and FF Sur-Gard
Receiver ID	MLR2 and 0 to F for Ademco 685 and Ademco CID-TCP.
Group ID	Allows to assign the converter to a group ID in the central station setup. Can be between 0 to FFF
Group ID	Sur-Gard MLR2 and 0 to F for Ademco 685 and Ademco CID-TCP.
Wait ACK/NACK	Defines the interval in seconds (1 to 15 seconds, default 3 seconds) which the IPC10 will wait for an acknowledgment from the CMS software, before sending the next event. If no ACK/NACK is received the IPC10 will retry sending the same event.
Link Test	Defines the interval in seconds (15 to 240 seconds, default is 30 seconds) at which the link test is sent to the CMS software (0= disable).
Test Network	Allows you to test the communication between the IPC10 receiver and the CMS software. Once the test is complete, a Testing CMS Network window will be displayed indicating the results of the test.
Two Stage Authentication	Defines if two-stage authentication is Enabled or Disabled.
CMS Tag	The default is set to 0. Add custom CMS tag if needed (1 or 2 Hex characters).
Additional Field	Additional information can be added to the event transmitted to the CMS like panel SN, device SN or
Additional Field	MAC address (default is set to none)

÷	Configuration Q Search	h	
PARADOX	CMS online for 15 days 12:05:	09	2024-07-26 14:24:52
E Events	Other Configuration		Set clock Save Changes
	Date and Time		
群 Accounts	NTP	NTP Server:	
		0.pool.ntp.org	
83 Configuration		Alternative NTP Server:	
0	Alternative NTP	ca.pool.ntp.org	
() About	Timezone		
[→ Logout	Canada/Atlantic	v	

Primary NTP	Main NTP server to use for the IPC10 database and time (functions only with the internet).
Alternate NTP	Alternative NTP as a backup of the primary NTP server (functions only with the internet).
Time Zone	Select the time zone to match the IPC10 location.
Set Clock	In closed networks, in rare cases, the clock might need adjustments with the set time button. When the internet is available, time will be adjusted automatically and there is no point in setting the clock as it will be overridden by the auto-update.

IPC10 Events:

Internal events of IPC10 reported to CMS, can be customized by CMS.

÷	Configuration Q Search	
	CMS online for 15 days 12:05:09	2024-07-26 14:24:52
Events	Receiver Events SN 1000000049588000	Save Charges
當 Accounts	Receiver Settings:	Account# 7777777777 Reporting format: CID
ැලි Configuration	Events description	Report CID
About	Web login	417
[→ Logout	IPC10 power up	314
	Account database reached 75%	700
	Account database is full	641
	Good Will account disconnect from CMS	710
	Auto delete account offline	720
	New account connected to IPC10	705

Account	Decommonded to use the receiver parial number, this is the Account number
Account	Recommended to use the receiver senai number, this is the Account number
	inat will identify the receiver to the CiviS for web login, power-up, and database
	status.
Web login	Sends a customized event to the CMS when a web login is attempted.
	The default value is 000.
IPC10 power up	Sends a customized event to the CMS when the IPC10 powers up.
	The default value is 000.
700: Account database reached 75%	Sends an event to the monitoring station's automation software when the
(4000 accounts), (700 default code)	account database account capacity has reached 75%.
	The default value is 700, can be modified by CMS.
Database is full	Sends an event to the CMS when the database is full (5000 accounts) when an
	attempt is made to register a new account. The default value is 000.
740. Cood Will coopyrat discompact from	This and will be cent indicating that reporting to this reactives were targeted
CMS (710)	of the papel programming meaning the dealer chooses not to report to this
	at the parter programming meaning the dealer chooses not to report to this
	The account will also be shown offline, reported with the default code 710
	code can be modified by CMS
	code can be modified by CMS.
720: Auto delete account offline (720)	Offline accounts for more than 30 days will be deleted and reported with default
	code 720, code can be modified by CMS. If the account resumes online, it will
	be restored.
552: Lost panel/ Restore panel (552)	If the panel is not communicating with the IP device, it will be displayed as
	Panel Lost in the Suspend column, and code E552 will be reported to the CMS.
	When restored, code R552 will be reported. This event cannot be modified.
IP unit lost (E551) / IP unit online restore	If the IP Communicator is not polling to the IPC10, it will be displayed as
(R551)	OFFLINE in the Status column and code E551 will be reported to CMS. When
(1001)	restored, code R551 will be reported. This event cannot be modified.
554: PCS offline/ Restore code 554	PCS offline and restore code (554). This event cannot be modified.
	Colort the time many of the maximum. This suggest as most be any different
Time /Local time zone change (625)	Select the time zone of the receiver. This event cannot be modified.
New account registered to IPC10 (705)	When a new account reports for the first time to the IPC10, a code 705
	(default value) will be sent to CMS
	This and will be continuinating a newer outage
314: Power outage	i his code will be sent indicating a power outage.

Note: All changes will be defaulted in reset to default.

Generate Logs button	Will generate and save a file IPC10mainlogs(ser#)(Date).zip on the PC in the
_	downloads folder. Please email the file to support@paradox.com upon
	request.

6. Click Save changes. The IPC10 is ready for use at this stage.

Accounts

←	Accounts	Q Search						
	CMS online for	15 days 12:05:09					2	2024-07-26 14:24:52
E Events	Accounts: ONLINE (3,49 Devices: ONLINE (3,56	7) OFFLINE (2) SUSPEND (0) 7) OFFLINE (2) SUSPEND (0)	WAITING (0)					Refresh Every 30 seconds 🗸
群 Accounts	Account 4	Profile 4 Status	Suspend P	Panel S/N	Panel Version \downarrow	Reporting Device S/N	Reporting Device Version \downarrow	MAC Address 👃
	8999	03 ONLINE	0	1860204B	1.08.001	\$172029BE9 (IP)	6.15.001	00:19:ba:16:ca:9a
Onfiguration	1919195544	01 ONLINE	5	INPQGA	0.60.0	5NPQGA (IP)	0.44.23	C8:2E:18:75:9E:27
About	7777	03 OFFLINE	3	10A93CA •	5.40.008	710A2FEC (IP)	6.02.026	00:19:ba:11:e1:59
5	9999	02 ONLINE	2	9303E0B	1.30.001	\$17D2069AA (PCS)	8.00.072	00:19:ba:1a:76:03
L→ Logout	5057	04 ONLINE	0	8000027	1.07.003	\$17205C2B4 (IP)	6.10.002	00:19:ba:1b:14:ce
	4469696970	01 ONLINE	5	ZRX54	0.59.7	5ZRX54 (IP)	0.44.23	C8:2E:18:75:9D:FF
	4999999997	01 ONLINE	D	2YVVS	0.59.7	D2YVVS (IP)	0.44.23	C8:2E:18:75:9D:BB
	fe11	04 ONLINE	2	A202987	1.30.001	\$172060175 (IP)	6.15.001	00:19:ba:1b:50:31
	8888	03 ONLINE	2	1144F5E	7.21.000	\$17205ACBA (IP)	6.15.001	00:19:ba:1a:f5:b0
	fef4	04 ONLINE	21	8204827	1.30.001	\$1720617CA (IP)	6.15.001	00:19:ba:1a:fb:fe
	777b	04 ONLINE	01	7010868	7.70.018	S172060E98 (IP)	6.15.001	00:19:ba:1b:6e:e7
	9696	04 ONLINE	0	8602049	1.08.001	\$172064CCE (IP)	6.15.001	00:19:ba:1b:c6:77
	77f7	02 ONLINE	0	8602043	1.08.001	\$172061CF9 (IP)	6.15.001	00:19:ba:1b:84:02
	cf46	04 ONLINE	0	860204A	1.08.001	S13VCGZU (IP)	1.00.015	80:64:6f:dd:ab:d4
	5075	02 ONLINE	2	11016E0	1.50.009	S17D2069A5 (PCS)	8.00.072	00:19:ba:1b:98:8c
	0555	04 ONLINE	2	1000179	1.30.002	S1KYQTUQ (IP)	1.00.015	80:64:6f:dd:b1:8f

The **Accounts** tab allows you to view the status of the system's accounts and also provides the possibility to suspend accounts from reporting to CMS (if unpaid as an example). Offline accounts over 30 days will be deleted from the account list automatically. They will register if they become online. The IPC10 supports up to 10-digit accounts with future products.

To suspend Account: Click on the 3-dot menu option (left of account) and select suspend account if desired. Suspended accounts will no longer send events to CMS, to unsuspend. Click again on the 3-dots and select unsuspend.

Online	Number of accounts or devices online.
Offline	Number of accounts or devices offline.
Suspend	Number of accounts or devices suspended. Press on the 3 dots on the left of the account to suspend. Repeat to restore.
Waiting	This status will be displayed within five minutes after a reboot of the receiver displaying the accounts/devices waiting for a restore connection. After five minutes, all should be ONLINE and all devices/accounts that have not been restored will have an OFFLINE status and reported to CMS as OFFLINE and the button will be grayed out.

Events

The **Events** tab displays the information related to events received from the accounts, such as date and time, account number, event CID number, description, panel serial numbers, reporting device, device type/connection, and zone/user. This page includes an option to export the event data to an Excel file.

Note1: "Events time received" in green means that they are already sent to the CMS. Events in black are not reported yet to CMS. **Note 2:** Events will be erased on the power cycle, events are kept during firmware upgrade.

	÷	E	vents	Q Search								
		C	MS online for 15 da	ys 12:05:09						2024	4-07-:	26 14:24:20
	Events		Export to excel file								Refresh Ev	erg 7 seconds iv
			IPC10 received time 4	Panel event time	Account# U	Event CID# U	Description	Panel S/N U	Reporting Device S/N U	Device Type/Connection	Area	Zone/User
葉 /	Accounts		26-Jul-2024 14:06:36	26-Jul-2024 10:01:00	cf46	E 602	Periodic test report	0860204A	\$13VC6ZU	IP (WIFI)	0	0
	Confirmation		26-Jul-2024 14:06:02	26-Jul-2024 10:01:01	9696	E 602	Periodic test report	08602049	\$172064CCE	IP (ETH)	0	0
\$9 V	configuration		26-Jul-2024 14:04:23	26-Jul-2024 14:04:22	9999	E 401	Open/Close by User	29303E0B	S17D2069AA	PCS (LTE)	1	1
	About		26-Jul-2024 14:04:23	26-Jul-2024 14:04:22	9999	E 406	Cancel	29303E0B	\$17D2069AA	PCS (LTE)	1	1
			26-Jul-2024 14:04:22	26-Jul-2024 14:04:21	9999	R 130	Burglary	29303E0B	\$17D2069AA	PCS (LTE)	1	3
	Logout		26-Jul-2024 14:04:13	26-Jul-2024 14:04:12	9999	E 130	Burglary	29303E0B	\$17D2069AA	PCS (LTE)	1	3
			26-Jul-2024 14:03:28	26-Jul-2024 10:02:45	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	2	18
			26-Jul-2024 14:03:27	26-Jul-2024 10:02:44	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	1	18
			26-Jul-2024 14:03:24	26-Jul-2024 10:02:41	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	2	17
			26-Jul-2024 14:03:23	26-Jul-2024 10:02:40	fe11	E 130	Burglary	2A2029B7	\$172060175	IP (ETH)	1	17
			26-Jul-2024 14:03:12	26-Jul-2024 10:02:28	fe11	R 401	Open/Close by User	24202987	\$172060175	IP (ETH)	2	1
			26-Jul-2024 14:03:10	26-Jul-2024 10:02:27	fe11	R 401	Open/Close by User	24202987	\$172060175	IP (ETH)	1	1
			26-Jul-2024 14:02:24	26-Jul-2024 14:02:23	5075	E 100	Medical	211016E0	\$17D2069A5	PCS (LTE)	2	0
			26-Jul-2024 14:02:23	26-Jul-2024 14:02:22	5075	E 100	Medical	211016E0	\$17D2069A5	PCS (LTE)	1	0
			26-Jul-2024 14:01:34	26-Jul-2024 14:01:33	9999	R 401	Open/Close by User	29303E0B	\$17D2069AA	PCS (LTE)	2	1
			26-Jul-2024 14:01:33	26-Jul-2024 14:01:32	9999	R 401	Open/Close by User	29303E0B	\$17D2069AA	PCS (LTE)	1	1
			26-Jul-2024 14:00:18	26-Jul-2024 14:00:17	5075	E 412	Successful download/access	211016E0	\$17D2069A5	PCS (LTE)	1	0
			26-Jul-2024 13:59:26	N/A	****	E 314	IPC10 power up	00000000	00000000	Receiver (Wired)	0	0
			26-Jul-2024 13:59:15	N/A	7777777777	R 314	Primary power supply failure	00000000	00000000	Receiver (Wired)	0	0

About

The About tab allows you to view the IPC10 converter system information including firmware versions and upgrade the IPC10's firmware. It also displays the Security Profiles that provide the supervised time of the monitored accounts. The IPC10 will report a supervision loss of the monitoring station's automation software after this time. The IPC10 can handle up to 5,000 accounts using profile 01, and up to 3500 accounts using profile 04 or any combination. System Metrics are also provided on the About page to help identify the performance of the system over a period of time.

÷	About			
РАЗАОО е=000000001-ИІАН-ОГЭЧІ	CMS online for 15 days 12:05:09			2024-09-04 14:31:23
	Receiver Info			
L Events	VERSION		BIRTHDATE	ACCOUNTS USED
# Accounts	Serial #	50-Aug-2024 14.42.42	MAC Address:	5,497 01 5000
영 Configuration	10000000e9c9b900		d8:3a:dd:3a:e3:e5	
() About				
[→ Logout	System Metrics			
	LOAD AVERAGE LAST MINUTE	LOAD AVERAGE LAST 5 MINUTES	LOAD AVERAGE LAST 15 MINUTES	CURRENT RUNNING PROCESSES
	Security Profiles			
	IP Module	PCS Module		
	ID/Devices Supervision	ID/Devices Supervision		
	2 600 seconds	2 840 seconds		
	3 300 seconds 4 90 seconds	3 420 seconds		
	Help us improve. Allow to contact owner by r	mail for technical improvements		Save Changes

Help us to improve: The owner can select this option upon first-time login or in the about page by owner or masters. Only statistics like the number of accounts, processor load, and average load are sent periodically. No specific data of any kind is sent about the device. This will help us to monitor the performance and capabilities of the IPC10 in the future.

Upgrade the IPC10 (Owner only)

- 1. Once logged in as the owner, click on the Upgrade icon.
- 2. Browse for the upgrade firmware file that was downloaded from the Paradox website and saved to your PC/Network location.
- 3. Click Upgrade. The upgrade process will then begin.

Reset IPC10 to DHCP (Fig. 3)

- 1. Insert a pin in the Reset switch.
- Press and release the reset button momentarily (less than three seconds). It will ignore the IP address and switch to DHCP and restore factory network settings Including port 8080. DHCP status will be indicated by three flashes of LEDs.

Reset IPC10 to Factory Defaults

- 1. Insert a pin in the Reset switch.
- 2. Press and hold the reset switch for more than 10 seconds until the LEDs start flashing and depress. LEDs will shut down and the IPC10 will restart.
- 3. Connect the IPC10 web page and configure the converter (page 3).

IPC10 Replacement

If an IPC10 module needs to be replaced, configure the new IPC10 by following steps 1-6 (pages 3-6).

Note: The network configuration and output protocol configuration of the replaced IPC10 should be the same as the replaced IPC10 that was removed.

Once configured, all accounts will appear and report with the new IPC10.

Specifications

Compatibility	M head units, legacy panels manufactured after 2012 using IP180, PCS265V8 (LTE), IP150+MQ FW 6.0 or higher.
Input Voltage	Power over Ethernet (PoE): 44-57 VDC, 8W, max, Class 2 device
Account Capacity	5,000 for normal or long supervision, 3,000 for high supervision
Supervision	Long: 20 minutes, 10 minutes, Default: 5 minutes, Short: 90 seconds
Supervision Message	Account Offline online status reported to CMS.
Internal battery backup	Up to 20 hours backup, Lithium-Ion
Operating Temperature	0°C to +40°C (+32°F to +104°F)
Replacement Recovery time	Auto recovery IPC10 replacement within five minutes. All accounts should be restored.
Encryption Type	AES 128-bit
Communication Protocol	CID via Sur-Gard MLR2-DG or Ademco
Certifications	CE
Warranty	5 years from production date
Dimensions	Fits 19" rack 1U, 48.26 x 20.3 x 4.2 cm (19 x 8 x 1.65 in)