



# Integration Note

Manufacturer:	Paradox
Model Number(s):	Digiplex EVO48, EVO96, EVO192, DGP-848, DGP-NE96
Core Module Version:	6.4.200
Comments:	Tested with EVO192, FW V1.24.004
Document Revision Date:	8/6/2013

## **OVERVIEW AND SUPPORTED FEATURES**

The **Paradox Digiplex** security panels integrate with the **g!** system using an RS-232 serial connection. The panels require a serial communication module to enable RS-232 communications between the **controller** and the security panel.

### **THESE PANELS SUPPORT THE FOLLOWING FEATURES:**

**Arm – Disarm:** Arm and disarm from the Viewer interface is supported for all partitions. Status information is available for all partitions.

**Auto Arm:** Arming as a System Command from the Event Mapper is supported for all partitions. By default, automatic arming is disabled in the Configurator.

**Zone Status:** Zone status display for all zones (in any partition) is properly shown on any Viewer.

**History View:** The history view is properly supported on any Viewer.

**Auto Zone and Partition Detection:** Once the panel has been configured, partition and zone information is automatically imported into the **g!** system, including all zone and partition names.

### **THESE PANELS DO NOT SUPPORT THE FOLLOWING FEATURES:**

**Zone/Partition Name Editing:** Zone and Partition names can be edited in **g!** but these changes will not be reflected within the Paradox system.

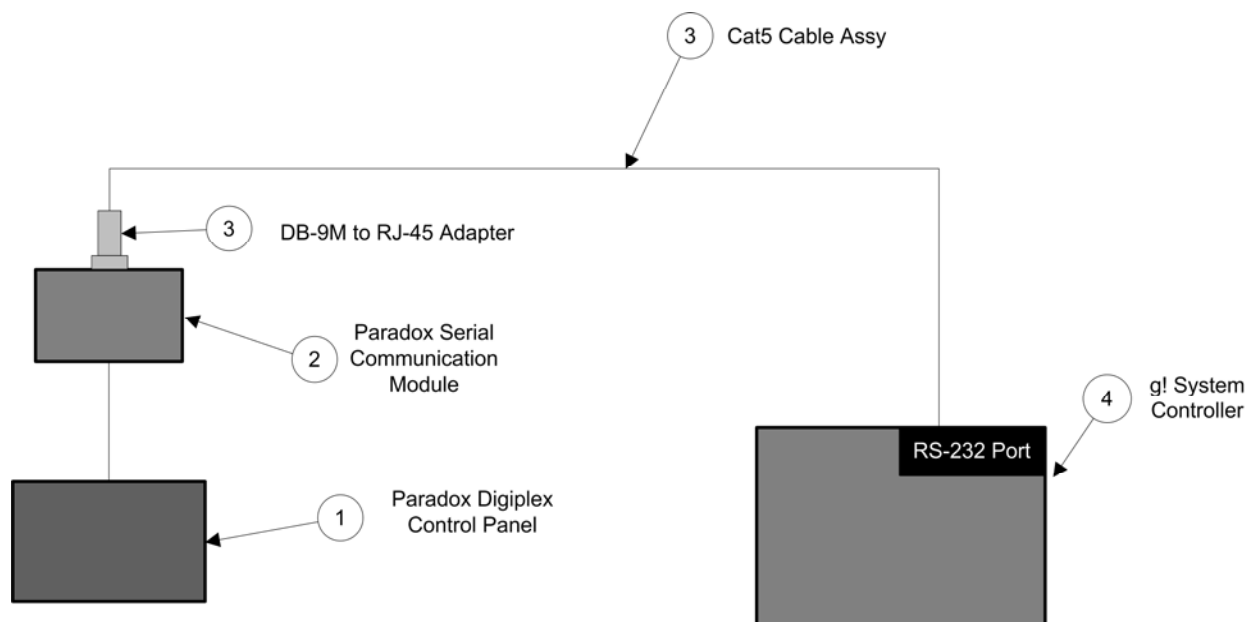
**Changing Partition Zones:** “Select Partitions for Zone” options in Configurator will not change the partition zones in the Paradox System. Once discovered, these should not be changed.

**Zone Bypass:** The option to bypass a zone is available in **g!**, but will not affect the Paradox system.

Any feature not specifically noted as supported should be assumed to be unsupported.
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## CONNECTION DIAGRAM

Refer to the **Bill of Materials** and **Wiring Diagram** that follow.



## BILL OF MATERIALS

#	Device	Manufacturer	Part Number	Protocol	Connector Type	Notes
1	Control Panel	Paradox	Digiplex Series	RS-232	Various	
2	Serial Interface	Paradox	PRT-3	RS-232	DB-9 Female	
3	DB9F to RJ45 Adapter	ELAN	HA-CB-307	RS-232	DB-9 Male X RJ-45 Female	
4	Cat5/6 Cable	N/A	N/A	RS-232	RJ-45 Male X RJ-45 Male	
5	g! System Controller	ELAN	Various (HC 2)	RS-232	RJ-45	

## PANEL SETUP

The Paradox Digiplex security system will be installed by a professional, certified installer. The installer must be made aware of the following settings, required for integration with **g!**.

The Paradox PRT3 communication interface must be configured to use the correct serial settings for communication with the **g!** controller.

Access programming mode as described in the "PRT3 Printer Module: ASCII Protocol Programming Guide", and then alter/confirm the following configuration parameters:

Section [016] – Option [1] = **ON**  
Section [016] – Option [2] = **ON**  
Section [016] – Option [3] = **ON**  
Section [016] – Option [4] = **ON**  
Section [016] – Option [5] = **OFF**  
Section [016] – Option [6] = **OFF**

No further special programming is required.

## DISCOVERY IN g!

Before attempting discovery, ensure that all zones are disarmed and fault free, and that no error codes are present on the Paradox panel. Click on **Discover Devices** to begin the discovery process. In order for g! to discover all zones in the system, it is now necessary to fault each zone briefly, one by one. This process is as you would do when doing a walk test of the system. As soon as the zone is faulted it should appear in Configurator. When all zones and partitions are present in Configurator, click **Discover Devices** again to end the discovery process.

Note that zones and partitions will be entered into Configurator in the order that they are triggered, so if you have a preferred ordering in Configurator, ensure that you trigger the zones in that order.

## AUTO ARM

To enable arming as a System Command from the Event Mapper, **Auto-Arm** must be set to Yes in Configurator and also the Paradox engineer must enable the **One Touch** feature on the panel for each partition that will be auto-armed.

## **g! CONFIGURATION DETAILS**

The following table provides settings used in the g! Configurator when connecting to the Paradox Panel. Please refer to the *Configurator Reference Guide* for more details. In the table below:

- "<Select>" Select the appropriate item from the list (or drop-down) in the Configurator.
- "<User Defined>", etc. Type in the desired name for the item.
- "<Auto-Detect>" This value is read from the Paradox panel. It can be changed in the Configurator if desired, although will not necessarily be updated in the Paradox system.
- "<Defined in Security System>" This value is set in the Paradox panel, and must match the value set in the Configurator.

### **SECURITY SETUP:**

Devices	Variable Name	Serial
<b>Communication Devices</b>	<b>Name</b>	<User Defined> (Default: New Device)
	<b>System #</b>	<Auto Detect>
	<b>Type</b>	<b>Serial Port / Standard Connection</b>
	<b>Enable Sharing</b>	<Select from list>
	<b>Sharing Port</b>	<Auto Detect>
	<b>Com Port</b>	<Select>
	<b>Protocol</b>	<Auto Detect>
	<b>Baud Rate</b>	<Auto Detect>
	<b>Flow Control</b>	<Auto Detect>
	<b>Parity</b>	<Auto Detect>
	<b>Data Bits</b>	<Auto Detect>
	<b>Stop Bits</b>	<Auto Detect>
<b>Security Panels</b>	<b>Name</b>	<User Defined> (Default: Paradox Digiplex)
	<b>System #</b>	<Auto Detect>
	<b>Device Type</b>	<b>Paradox Digiplex</b>
	<b>Communication Device</b>	<Select> (Default: New Device)
		<b>Name Show Auto Keys</b>
	<b>Disarm</b>	Disarm Yes NO 4
	<b>Mode 1</b>	Stay Yes NO 4
	<b>Mode 2</b>	Away Yes NO 4
	<b>Mode 3</b>	Force Yes NO 4
	<b>Mode 4</b>	Instant Yes NO 4
<b>Partions</b>	<b>Name</b>	<User Defined> (Default: <Auto Detect>)
	<b>System #</b>	<Auto Detect>
	<b>Partition #</b>	<Auto Detect>
<b>Zones</b>	<b>Name</b>	<User Defined> (Default: <Auto Detect>)
	<b>System #</b>	<Auto Detect>
	<b>Zone #</b>	<Auto Detect>
	<b>Enable Bypass</b>	<Select from list>

