

VANIAGECONIROLS.COM

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Overview

The IC-DIN-II-LITE Controller is ideal for smaller Vantage projects or when an additional controller is wanted for a small addition to an existing project/system. IC-DIN-II-LITE offers an economical solution for single rooms, theaters, boardrooms, boutgues botel applications and etc. Install



boutiques, hotel applications, and etc. Installation kits may be ordered for easy setup including power and RadioLink pre-wired connections.

IC-DIN-II-LITE Order Information

US Part Numbers	Description	
IC-DIN-II-LITE	• IC-DIN-II-LITE controller - US plug - type-B	
IC-DIN-II-LITE-RF	 IC-DIN-II-LITE controller - US plug - type-B RF Enabler 15ft. cable connect controller to RF enabler 	₿¢
INTERNATION Part Numbers	Description	
IC-DIN-II-LITE-EU	• IC-DIN-II-LITE controller - EU plug	
IC-DIN-II-LITE-BR	• IC-DIN-II-LITE controller - BR plug	A
IC-DIN-II-LITE-AU	• IC-DIN-II-LITE controller - AU plug	\$
IC-DIN-II-LITE-UK	• IC-DIN-II-LITE controller - UK plug	
Also included with all part numbers above	 Power supply 36VDC, 100W Power supply DIN rail bracket 35 mm DIN rail - aluminum 17.0" 	

Features

- No front panel display interface through Design Center.
- No more than two IC-DIN-II-LITE controllers on a project.
- IC-DIN-II-LITE Controllers must be addressed as 1 or 2 (The address is set in Design Center).
- IC-DIN-II-LITE Controllers can be installed with IC-DIN-II and/or IC-24/36-II controllers as long as the IC-DIN-II-LITE controllers are addressed as 1 or 2.
 - If the standard controllers are using Controller Bus communication on a mixed controller system, at least one of the standard controllers must use C2C communication and Controller Bus communication.
 - Controller Bus is not supported on IC-DIN-II-LITE controllers.
- 35 mm DIN rail for easy installs.
- Two RS-232 ports.
- One RS-485 port (address = RS-485 Port 2).
- One station bus run.
- IC-DIN-II-LITE maximum station support:
 - o 20* WireLink™ o 60 RadioLink™, and
 - o 16* Equinox 40 o 20 Ethernet stations
 - * NOTE: Design Center *automatically* reduces the maximum number of WireLink and Equinox 40 keypads when mixed.
- Supports one RadioLink Enabler.
- Uses same programming features as standard IC-II controllers.
- The Controller runs independent of a PC after initial setup and programming.
- Secure access password protected.
- Design Center connection through local network or offsite.
 Remote full or minor program changes are possible.
 - Diagnostics.
 - Read system.
 - Project control.
 - Built-in Ethernet jack.
- Built-In Ethernet Jack.
 Type A to A USD part (
- Type A to A USB port (future features ready).
 USB port is not used for programming on any IC-IIs.
- Micro SD card support (included).
- System Backups to *micro SD* card.
 - o Manually from Design Center.
 - o Automatic within 24 hours of programming system.

VANTAGE INSTALL GUIDES Controller IC-DIN-II-LITE – MODEL: IC-DIN-II-LITE

- -then-
- Weekly.
 Up to 52
- Up to 52 backups total.
- Oldest backup is replaced when 52 limit is reached.
 Restore entire system from System Backups via Design Center.
 Undo option from last Restore via Design Center.
- Ram and Flash memory.
- Lithium battery retains time and status in a power outage.
- Maintains real and astronomical time clocks.
- Application code is upgradeable through Design Center.
- Manual Override not used in DIN *only* systems.
- Reset button on front ${f Q}$ re-boots controller.
- Factory Reset button on front \bigotimes clears all programming and settings on controller press and hold for 5 seconds required.
- The Vantage InFusion Controller Network can have up to thirty-one Controllers when connected via Ethernet as long as the IC-DIN-II-LITE is in position/controller number 1 and/or 2 and C2C is enabled (see bullet 4, previous column).

IC-DIN-II-LITE Controller Specifications

Description	Specification
Dimensions HWD	85.7mm x 157.2mm x 61.9mm 3.38" x 6.19" x 2.44"
Weight	361 g / 0.8 lb.
Mounting	35 mm DIN Rail (EN 50 022: 1977)
Power Supply Included	36VDC, 100 watt
Lightning / Surge Protection Static Shock IO. All Ports/Case	IEC 61000-4-2 Low Voltage, ITU-T K.20
C2C, IC Network	Ethernet
Station Bus Specification	2C, 16AWG / 1.31mm2, twisted, non-shielded, <30pF per foot. Separate a minimum of 12" / 30.5cm from other parallel communication and/or high voltage runs.
Station Bus Power Supply	Station Bus = 36VDC, 50W*
Station Support (Station bus view may show available power when 20 station limit is reached. Extra power is intentional for headroom operation.)	number is reduced when mixed. • 60 RadioLink [™] , and • 20 Ethernet - Equinox 41/73, IRX II, etc stations
Max. Wire Length Station Bus	305m / 1,000ft of cabling max. on the station bus. No station more than 152m / 500ft from Controller.
Wire Configuration of Station Bus	Daisy Chain, Branch, Star (contact support for <i>Station Bus Best Practices</i>)
Cooling	Convection
Lithium Battery Backup	Disk battery CR2032, 3Volt 2.5 yrs. un-powered or 20 yrs. powered (field replaceable - see <i>Caution</i> at end)
Ambient Operating Temperature	0-40°C / 32-104°F
Ambient Operating Humidity	5-95% non-condensing
CE Certified	YES

**CAUTION:* 36V stations have a symbol 30 on the Serial Number sticker. Any station, not displaying this symbol, should not be connected to a 36Volt Station Bus.

Software/Firmware/Installation Requirements

Installation of Vantage products should be performed or supervised by a *Certified Vantage Installer*. Design Center Software, version 3.4 or higher must be used to program IC-DIN-II-LITE controllers.

- *IC-DIN-II-LITE* controllers must *only* be used with other *IC-DIN-II-LITE*, *IC-36-II*, or *IC-24-II* controllers.
- Do not use IC-DIN-II-LITE controllers with any generation one controller's that have one of the following part numbers:

• IC-DIN	o IC-24-1	o IC-24
 IC-DIN-LITE 	o IC-36-1	o IC-36

• All controllers must use the same firmware. *Disconnect power when plugging in or un-plugging the controller's power connector.*

Powering the DIN Controller

Use a dedicated breaker to power the controller. Multiple InFusion Controllers may share the same breaker when in close proximity. The IC-DIN-II-LITE controller must be wired to the power supply provided with the controller. *DO NOT USE ANY OTHER POWER SUPPLY.*

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Important, DIN Power Enclosure

The controller, supplied power supply, and supplied 35 mm DIN Rail must be mounted in a properly ventilated enclosure.

The earth ground on the DIN Controller and power supply should be the ONLY earth ground connection in this DIN Controller's immediate system.

Design Center IC-DIN-II-LITE Setup Steps

It is recommended that the Design Center project file be open when following these steps.

1. In Design Center | Vantage Objects, click on Controllers and *select the IC-DIN-II-LITE.



Delete the standard controllers if this is a new project with only an IC-DIN-II-LITE. Only 2 IC-DIN-II-LITE controllers are allowed per project.

*NOTE: The IC-DIN-II-LITE may be setup to be the default controller in Settings | System Preferences. When set as default, it is not necessary to add a controller starting a new project.

- 2. Obtaining the IC-DIN-II-LITE controller's IP address (initially set to DHCP).
 - Connect the IC-DIN-II-LITE to the local network and power via the supplied power supply.

	Record the IC-DIN-II-LITE's serial n	uml	ber for later use.	
	From Design Center, identify	Con	nection System Settings Reports	Or
	the IP address of the IC-DIN-II-	4	Connected	
	LITE by clicking on <i>Connection</i> <i>IP Address</i> This opens the		Connection Type Ethernet	
	Controller IP Address window.		IP Address	
•	Click the drop-down arrow to the right of the IP Address field	Ģ	Install USB Drivers	
	to reveal all the controllers seen by	De	sign Center	
	Controller IP Address			
	Enter the IP Address of your InFusion Controller.			
	IP Address			
	10.87.161.202		•	
	10.87.161.203 (Unmapped Detected Controller, S			
	10.87.161.114 (Unmapped Detected Controller, S - + Map Detected Controllers to those in your p			

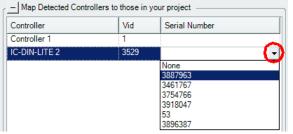
• Select the IC-DIN-II-LITE controller via serial number.

Set as Default Project IP Address

Set as Default System IP Address

Map the controller to your project by clicking the plus button in front of Map Detected Controllers to those in your project. The Controller IP Address window expands to include the information below.

ОК



Move the mouse over the end of the Serial Number field to

expose the drop-down arrow (see red circle). Click the 🔟 to reveal a list of serial numbers. Select the correct serial number to complete the map. When mapped, Design Center identifies the controller with the VID and serial numbers. This helps identify the correct controller in other Design Center views if multiple controllers from other projects are seen.

If wanted, with the correct controller selected in the IP Address field, select either/both Set as Default Project IP Address (recommended) and/or Set as Default System IP address.

3. Set the IC-DIN-II-LITE's physical address - 1 or 2 only. NOTE: The Controller General Settings ... window will not open if Design Center is not able to connect to a controller in the project file. Click on System | System Settings Reports Ordering He

🐺 Program...

Configure Stations

Sontroller Settings

Backup And Restore

G Diagnostics...

🐹 Update Firmware

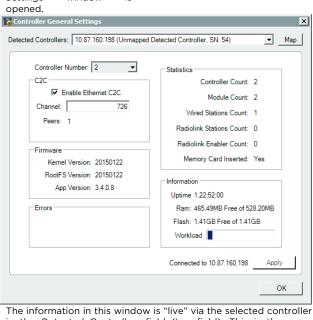
Read Learned Values ...

🚮 Write To Memory Cards

🖬 Update

Clear...

- Controller Settings | General Settings to open the Controller General Settings window (below). Make sure no other controllers have the same
- address of 1 or 2.
- Controller General Settings The Controller General Settings window is opened.



- in the Detected Controllers field (top field). This is the same information shown on standard controllers.
- The controller's physical address may be changed by selecting 1 or 2 next to Controller Number and clicking Apply. CAUTION: Do not accidentally change the Controller Number. Only change the Controller Number for IC-DIN-II-LITE controllers. Make sure the physical address number of the IC-DIN-II-LITE matches in Enclosure View | Object Editor | Number (image below and above).

Dbject Editor				×
E IC-DIN-LITE 2				
⊡: 💼 IC-DIN-LITE	2	Name	IC-DIN-LITE 2	
👘 Ethernet Bu	Bus	Model	IC-DIN-LITE	-
🔤 🕁 Wirelink	Bus	Display Name		
		VID	17	
		Number	2	•
		Startup Task		
		Volts	36	
		DIN Enclosure	DIN Enclosure 1	▼ →
		Serial Number	0	-
		Number The number of this controller - valid numbers are 1 or 2 for IC-DIN-LITE. This number must match the number set in Controller General Settings. See System Controller Settings General Settings.		
⇔ Add Serial Port	⇔ Ac	dd TCP Client Port	🖞 Add RadioLink Bus	;

- On projects with more than one controller all IC-DIN-II-LITE controllers and at least one standard controller must have C2C enabled with a common channel, see C2C Channels below.
- To see other controller's "live" settings on a project, change the selected controller in the Detected Controllers (top) field, (see Controller General Settings window previous page) - not the controller number. Wait for the window to update when changing to another controller. Enter security credentials if prompted.

Controller General Settings (continued)

Firmware

Quickly see the Kernel, RootFS, and App. Versions without going into Diagnostics.

ll Items

▶ 1 General Settings...

Date & Time...

Retwork Settings...

E5

F7

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Errors

Reports controller errors, (e.g., Station Bus Short).

Statistics

Confirm peripheral hardware directly connected to the selected controller.

- Controller Count number of controllers seen by selected controller.
- Module Count number of modules seen by selected controller should always be zero for IC-DIN-II-LITE controllers.
- Wired Stations Count number of station bus stations connected to selected controller
- RadioLink Stations Count number of RF stations connected to selected controller.
- RadioLink Enabler Count number of RF1000 enablers connected to selected controller - should not be more than one for IC-DIN-II-LITE controllers

Information

- Uptime the amount of time the IC has been operating without losing power, reported in days:hours:minutes.
- RAM Free Memory / Total Memory
 - RAM: This is the active memory, Random Access Memory and 0 is volatile.
- Flash Free Memory / Total Memory
 - Flash memory is nonvolatile like the Hard-Drive on a computer. 0 This is the main memory storage area for all programming. Data is compressed when downloaded.

Workload - Graphical display of the controller processor's workload.

4. How to change the controller's IP address.

- Complete the first 5 bullets in step 2 (above) before changing the IP address to static. Click on System | Controller Settings Network Settings to open
- the Controller Network Settings window (right). Make sure the correct controller is selected.
- Select the Configuration Type pull down list and then select Static.
- Typically the Subnet Mask, Default Gateway. Preferred and Alternate DNS settings are already correct - correct if needed.

Controller Network Set	tings	x
Controller #: 1	•	
Controller 1 Network Se	ttings	٦
Configuration Type:	DHCP _	
IP Address:	10.87.161.238	
Subnet Mask:	191.255.216.248	
Default Gateway:	10.87.160.1	
Preferred DNS:	10.87.94.142	
Alternate DNS:	10.87.14.150	
	OK Cancel	1

- Click OK to save the change to the IC-DIN-II-LITE controller.
- Configuration Type selections are:
- o DHCP,
- o Default (192.168.0.<controller number>),
- Static, and 0
- None. 0
 - · Caution, setting the IP to None on an IC-DIN-II-LITE requires the Factory Reset button be activated. See Front Buttons on next page.

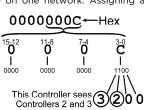
C2C Channels

Controller to controller communication is required on all IC-DIN-II-LITE controllers with more than one controller on the system. A Channel number must also be assigned if the network contains more than one InFusion System.

Because more than one InFusion System may be on a single Channel: network a unique channel number may be assigned to the controllers for each InFusion System. The Peer number is assigned automatically.

Example, it is possible to have multiple IC-1 and/or IC-DIN-II-LITE controllers with address 1, address 2, etc., in a large building containing two or more InFusion systems. These InFusion systems may all be on one network. Assigning a

unique channel number to Controller each group allows the identically addressed controllers to operate as independent systems on the same network.



This is a bitmask of all Peers: controllers visible to this controller displayed in

HEX. Convert to binary to see controllers position. Each "1" in binary, is a Controller.

Ethernet IC-II-1-A IC-II-2-A IC-II-1-B IC-II-2-B

Example B:

The "A" controllers and the "B" controllers have been assigned *channel* numbers, channels 1 & 2 respectively: • Channel 1 for IC-II-1-A and IC-II-2-A.

• Channel 2 for IC-II-1-B and IC-II-2-B. This allows each controller on the network to only talk to its co-controllers ignoring other controllers.

Ex le B

Programming the InFusion Controller Programming is created and edited in Design Center software and saved as a project file. Projects are then downloaded to the system controllers via a local or remote connection through a network connection.

Program Controller Using a Direct Connection from Computer

If the controller is not connected to the local network, it is possible to program the controller by connecting the computer directly to the controller via an Ethernet cable (recommended) - standard or crossover type.

- Set the controller IP address to Default 192.168.0.<controller number> Set the computer's IP address to 192.168.0.40 or similar
- (USB connection between Design Center and IC-II controllers is not supported.)

Ethernet Port Settings

- In Design Center select either a standard or secure (SSL) Ethernet connection.
- If using Secure Ethernet protocol, Secure Sockets Layer (SSL),

recommended, Design Center checks a security certificate against a security

certificate stored on the controller. If they do not match this warning is displayed. It is



recommended to double check the IP address of the controller. If the IP address is correct, change the connection to standard Ethernet and re-download the controller firmware. This procedure will also require the system to be re-programmed after the firmware update. Updating all controller's firmware, shipped with Design Center 3.3 or higher, should clear this error for future SSL connections.

Remote Programming and Maintenance

Remote programming and update capability may save unnecessary trips to actual sites. With remote updates, care should be taken to ensure that updates are complete and the system's new programming functions properly. Do not update firmware, via a remote connection, to any generation 1 controllers.

Remote Access Ethernet Port Settings

- For standard Ethernet connections, forward ports 2001 and 3001 to the IP address of the InFusion Controller.
- For Secure Ethernet connections (SSL), forward ports 2010 and 3010 to the IP address of the InFusion Controller.
- When using a static IP address on the controller the gateway must also be setup on the controller.
 - o Set the gateway for IC-DIN-II-LITE in System | Controller Settings | Network Settings.
- Allow the Ping operation in router setup used by Design Center to verify its connection.
- In Design Center enter the IP Address of the router or modem assigned from the ISP. Design Center may also require a User Name and Password if security has been enabled.

Ethernet ▼ Channel 1 ▼ IC-II-1-(A) IC-II-2-(A) Channel 2 🔻 IC-II-1-(B) IC-II-2-(B)

Example Channels -

IC-II-1-A sees IC-II-2-A and IC-II-2-B

time IC-II-I-B also has the same

controllers. It does not know which IC-

II-2 belongs to its network. At the same

Example A:

problem.

Backup Memory via SD Card

An SD flash card slot is provided for program backup and allows automatic backups periodically performed by the controller.

- Stores backup of all programming for project file.
- Stores graphic rich web interface (i.e., WebPoint Lite).
- SD cards can be directly accessed using Design Center Diagnostics.
- An IC-DIN-II-LITE system's programming may be restored from the SD card using Design Center's *Backup And Restore* feature, see *Backup And Restore From Design Center (later in these instructions)*.

NOTE: If the system contains at least one standard IC-DIN / IC-24/36 controller, the system may be restored via the front panel buttons on the standard controller without running Design Center. The SD card may be in either the IC-DIN-II-LITE or a standard controller for this to work.

- Typically, only one SD card is recommended per system.
- Replace the existing SD card when inserting an Equinox multiple license SD card.

Controller to Controller Wiring

C2C Ethernet Bus

Today's integrated devices use ever increasing amounts of metadata. C2C Ethernet communication must be used in systems containing two IC-DIN-II-LITE controllers or in mixed systems. In multiple controller systems, each controller should have its own Ethernet connection to the local network. In turn the local network should have access to the internet.

Controller Bus

Controller Bus: Not used by IC-DIN-II-LITE controllers.

Terminator Switch

Terminator Switch: Not used in C2C communication.

Front Buttons

There are two buttons on the front of the IC-DIN-II-LITE controller to reboot or perform a factory reset.

- Reset button on left side of front panel Section re-boots the controller and keeps all programming and settings. It is rare to have a controller become locked, however if this is suspected, use this button to reset.
- Factory Reset button on right side of front panel executes with a 5 second press and hold. **CAUTION:** All programming, security settings and IP settings will be cleared. Controller must then be reprogrammed from Design Center after a Factory Reset.

New Controller Features In Design Center 3.3

- Security
- Backup and Restore
- Enhanced Email Support
- Remote Location Firmware Updater IC-II only

SECURITY

Security Levels and Users Table						
Security Levels	Level Requirements For Groups					
None	No credentials required from any connection	No credentials required from any connection				
	 Credentials required for all remote connections including Design 	 Credentials required for all remote connections using Host 				

Remote	connections including Design Center	remote connections using Host Commands • Connections from Design Center; not allowed
Local	 Credentials required for all local or remote connections including Design Center 	 Credentials required for all local or remote connections using Host Commands Connections from Design Center; not allowed

Setting Up Controller/Project Security

- By default project security will be OFF when a new project is started.
- To turn on project security in a new or existing project, click on Settings and select Project Security.



Security Level None		-]			
Users and Devic						
Username	V	Read State	Write State	Read Config	Write Config	Group

- 3. Initially the *Security Level* is set to *None* and no *Users and Devices* exist. If the security level is changed to *Local* or *Remote*, at least one *Admin* user must be added before exiting the dialog box.
- To create a user press Add User. The Add New User dialog box.
- 5. Enter a *Username* and *Password* and select *Admin* or *User* to assign a group.
- 6. Press *Add* to add the new user.

permissions

Commands.

i i

Custom

a. Admin, have all permissions selected by default. Admin is required by Design Center with security enabled.
b. Users, cannot connect to the controller from Design

Center. Users only have

Read State and Write State

using

Username		
Usemaine		
J		
Password		
		_
,		
Group		
		_
Admin		-
,		-
	Add Cance	

Add New User

ma	iy be select	ed for ei	ther grou	ıp memb	er type.
Project Security D	ialog				
ecurity Exceptions					
Security Level					
None	-				
Users and Devices					
Username	Read State	Write State	Read Config	Write Config	Group
Jennifer	V	V	✓	V	Admin
Henry	✓	✓			User
			[:		Delete Here
			<i>F</i>	Add User	Delete User
				ок	Cancel

Host

permissions

- 7. The *Remote* security level requires proper credentials for any remote connection.
- 8. The *Local* security level requires proper credentials for local or remote connections highest security level.
- 9. The security setting is sent to the controller when programming or updating the system.
- 10. All security settings are saved with the project.

Exceptions to Security

- Be sure to include any InFusion Media devices, TPT1210s, 700s and computers with InFusion Media Client USB Enabled – IMC-USB.
 IP Address Exception List
 - a. If a third party device is not capable of sending a username/password, the IP Address of that device can be entered into the exception list. This excludes the device at that IP Address from security settings.

Settings Reports Ordering Help

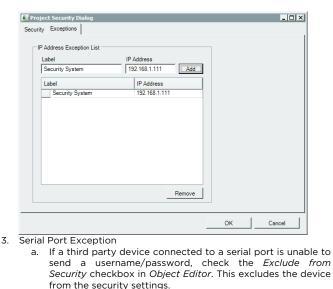
Project Information...

System Preferences...

Project Preferences...

Project Security.

Procedure Preferences...



	anty secongs.					
Object Editor						
👕 IC-II 1						
E IC-II 1	Data Bits	8 🔳 🔺				
Ethernet Bus	Stop Bits	1.0 💌				
Audio Source	Flow Control	None 🗨				
🛶 🕁 WireLink Bus 1	Process Host Commands					
🛶 🏣 WireLink Bus 2	Exclude from Controller Security	V				
	Controller Port	RS-232 Port 1 💌 👻				
	Exclude from Controller Security Sets the serial port to not use the controller security.					
$\Leftrightarrow Add \; Serial \; Port \; \Big \Leftrightarrow Add \; TCP \; Client \; Port \; \Big \; {1 \!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!\!$						

Serial Port Exception in Object Editor

Connecting Design Center With Security Enabled

1. If

2.

3.

4. If

Etherr

lecting Design Center with Se	currey Ena	bieu	
If the Security Level is set to			
None, connecting to	Controller Sec	urity	×
controller proceeds normally.	Please enter your	user name and password.	
If the Security Level is set to	User name:		_
<i>Remote,</i> local connections proceed normally while	Password		-
remote connections require	Г	Show Password Characters	
proper credentials.			
With security enabled			OK
Design Center prompts for			
a user name and password.		Invalid Credentials	×
 a. Entering an Incorrect user and/or password results in Invalid Credentials message 	n an	Unable to Login to the contro	oller.
If authentication is accepted, the username and password are not			ОК
required again while the projec	t is	9.	

- 5. The dealer will be allowed to choose if they want a secure connection or an unsecured connection. For remote connections forward ports to the IP address of the InFusion Controller.
 - Secured ports (SSL) are: 2010, 3010 a.
 - b. Standard ports are: 2001 and 3001

Temporary Security Override

IC-DIN-II-LITE does not have a Security Override. If the credentials are not available the Factory Reset button must be pressed and held for 5 seconds. The system must be re-programmed after resetting.

BACKUP AND RESTORE

Using backup and restore

The backup and restore feature requires that one or more controllers on the system contain an SD Card.

- Recommendation: The Controller used to connect Design Center contains the system's SD card.
- Recommendation: Install one SD card per system.

Backup and Restore From Design Center 1.

In Design Center click on System | Backup And Restore and select from:

Full System Backup a.

- b. Full System Restore
 - Restore Equinox Data From Backup.
 - Option "c", restores Equinox profile information on controller and opens programming screen.
- 2. If Backup is selected the system writes the current controller programming to the sd card.
- 3 If Restore is selected the system opens a selection menu. This will re-program all of the controllers on the system from the selected backup. When a backup has been manually executed an Undo option appears in the backup history list.
 - Last Week a.

c.

- b. Last Month
- Last Quarter C.
- d. User Initiated (only shows when a manual backup operation has been selected)
- Choose Backup by Date e.

Restore from Backup	
Choose the System Backup you wo	uld like to restore from:
Last Week	-
Last Week	
Last Month	
Last Quarter	
User Initiated	
Choose Backup by Date	
	Restore

Choose Backup by Date opens a complete history.

Choose the System Backup you would like to restore from:	Restore from Backup	
Available Backups Thursday, April 03, 2014 - Quarterly Friday, April 04, 2014 - Quarterly Thursday, April 04, 2014 - Quarterly Saturday, April 12, 2014 - Quarterly Tuesday, April 15, 2014 - Quarterly Wednesday, April 18, 2014 - Quarterly Friday, April 25, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Tuesday, May 00, 2014 - Quarterly Friday, May 10, 2014 - Quarterly Friday, May 10, 2014 - Quarterly Saturday, June 14, 2014 - Monthly Wednesday, July 16, 2014 - Monthly Wednesday, July 16, 2014 - Monthly	Choose the System Backup you would like to re	store from:
Thursday, April 03, 2014 - Quarterly Friday, April 04, 2014 - Quarterly Thursday, April 10, 2014 - Quarterly Saturday, April 12, 2014 - Quarterly Wednesday, April 15, 2014 - Quarterly Friday, April 15, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Friday, May 00, 2014 - Quarterly Saturday, June 14, 2014 - Monthly Wednesday, July 16, 2014 - Monthly	Choose Backup by Date	-
Friday, April 04, 2014 - Quarterly Thursday, April 10, 2014 - Quarterly Saturday, April 10, 2014 - Quarterly Tuesday, April 15, 2014 - Quarterly Wednesday, April 18, 2014 - Quarterly Friday, April 18, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Friday, May 06, 2014 - Quarterly Wednesday, May 00, 2014 - Quarterly Friday, May 10, 2014 - Quarterly Saturday, June 14, 2014 - Monthly Wednesday, July 16, 2014 - Monthly Wednesday, July 16, 2014 - Monthly	Available Backups	
	Friday, April 04, 2014 - Quarterly Thursday, April 10, 2014 - Quarterly Saturday, April 12, 2014 - Quarterly Wednesday, April 15, 2014 - Quarterly Friday, April 18, 2014 - Quarterly Friday, April 18, 2014 - Quarterly Friday, May 02, 2014 - Quarterly Friday, May 06, 2014 - Quarterly Wednesday, May 07, 2014 - Quarterly Friday, May 09, 2014 - Quarterly Saturday, May 10, 2014 - Monthly	
	j weanesday, July 16, 2014 - Monthly	Restore

Expanded Email Options

a. Gmail

Design Center 3.3 comes with new controller firmware containing 1 enhanced email support.

c. Outlook.com d. Etc.

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b. Yahoo NOTE: IC-DIN-II-LITE and IC-DIN-II-LITE could differ in email support - IC-DIN-II-LITE has a smaller OpenSSL library due to memory restrictions. Test to verify email operation on all email services.

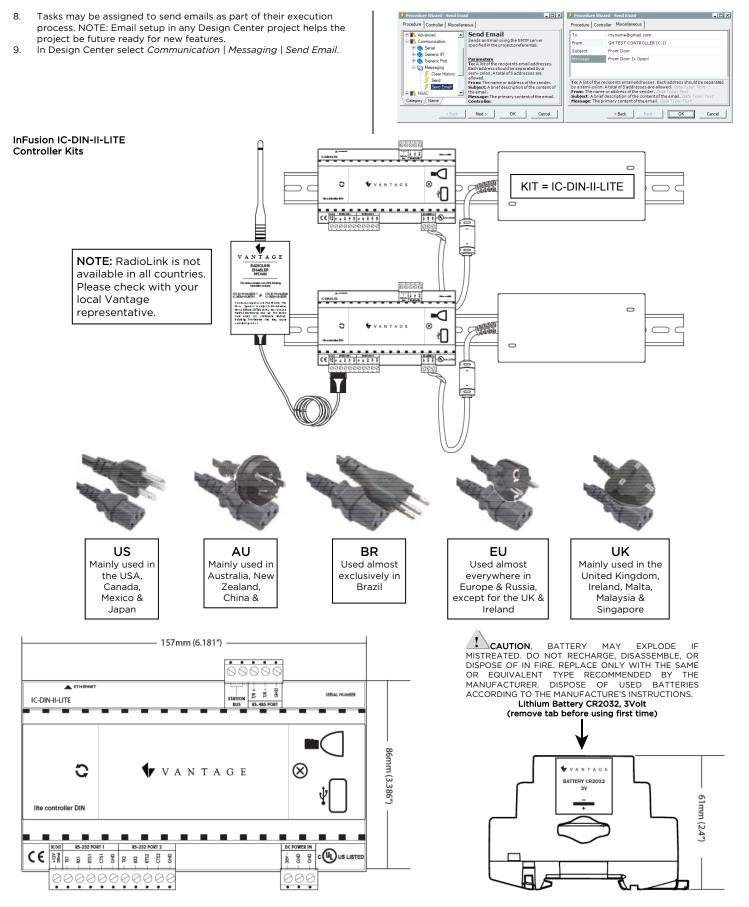
2.	In	Design Center	click Settings	Project Information.	
	Project Information			X	

Server Address:			
smtp.gmail.com			
User Name:			
myname@gmail.com			
Password:			
-assword.			

- 3. In the Project Information window, select the Email tab to open the email setup window.
- The Server Address is the SMTP server information, for example, 4. smtp.gmail.com. The correct SMTP server information is needed for the Email service being used. Please check with the email service provider for the specific SMTP Server information.
- 5. The User Name is the user name used when setting up an email account, for example, myname@gmail.com.
- Finally the Password is the password required to access your email 6. account.
- 7 Click OK when finished.

VANTAGE

INSTALLATION



Possible Ground Loop Issues

All RS-232/RS-485 connections between *third party* equipment and RS-232/RS-485 connections on the DIN Controller, *may* produce a ground loop. Often the third party connected RS-232/RS-485 device is not using the same power source or is far away from the DIN Controller resulting in a possible ground loop or data noise condition. If this condition is suspected, Vantage recommends a third party RS-232/RS-485 Opto (optical) Isolation Module. Opto Isolation provides a communications link and is an important consideration if a system uses different power sources, has noisy signals or must operate at different ground potentials.