PROGRAMING AN SRCNX-R SMS V.5.3.5 AND BELOW

Authored by: Ingersoll-Rand

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OVERVIEW

The SRCNX-R is a new IP enabled controller from Schlage. SMS versions 5.3.5 and below do not natively support the SRCNX-R however it is still possible to use it by programming it as if it were an SRCNX. This document will detail how to set up the new SRCNX-R in older versions of SMS.

The SRCNX-R has three different model types depending on the number of contacts and relays associated with the board: **SRCNX-R0**, **SRCNX-R1** and **SRCNX-R2**.

- **SRCNX-R0**: No contacts or relays
- SRCNX-R1: One SIONX-8 is attached providing up to 8 contacts and 8 relays
- SRCNX-R2: Two SIONX-8s are attached providing up to 16 contacts and 16 relays

Each of these model types is covered in its own section in this document. Go to the appropriate section of this document for the type of device being programmed.

NOTE: The SRCNX-R series Controllers operate ONLY at a network speed of 10BaseT.

SRCNX-R0

The SRCNX-RO will be defined as an SRCNX-16 with no expansion, no contacts, and no relays. It can support up to 8 devices of the same protocol per channel and has two channels (channel 2 and channel 3) for a total of 16 devices. F-series and SMS protocol devices cannot be put on the *same channel*. You can have all F protocol devices on one channel and all SMS protocol devices on the second channel. You may also have both channels configured to support all SMS or F Series protocol.

Programming a SRCNX-R0 as a Controller

Follow the instructions below to set up your SRCNX-R0 as a Controller:

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Controllers.

🜠 System Manager				- • •
File Edit View Help				
X				<u>×</u>
Areas	Area Tree	Area Sets Cardholder Categori	es Timezone Tree	Holiday Sets
Area Access	Hardware Ma	P Callback Sets	Site Code Sets L	.ockdown Tree
Cardholders	H 44 A F	୍ ତ ତ 🖉 🎸 🎡		
Timezones, Holidays and Lockdowns	E-CIM1			_
Hardware Map	CIM1 Netv	vork Port		
Edit CIMs 🔺				
Edit CIM Ports				
E dit Controllers				
E dit Beaders				
Site Codes and Callbacks	<u></u>			
All Areas Cardholders with Access to a	Area All Cardholder	s Timezone Intervals Edit Controllers	Callback Numbers	
- + M 41 4 > M 41 -	• e 🎸 👷 🌢	h 📰		
Channel At Contacts At Rela Capacity Capacity Cap	ys At Device acity ID	Controller Description	Attached To I/O Port or Mast	er
				Ξ
				-
•				Þ.

3. In the bottom section, click on the + button . This will bring up Controller Definition.

Controller Definition	X
File Search Help	
* Description	
Defining an RCNX16 as an SRCNX-R0	
Notes	
	<u>^</u>
* Attached To I/O Port or Master	Location
	Off Site
* Controller Model	Callback Set
<u> </u>	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
IP Address or Host Name	IP Port Number
	3001 🔀 🗖 Encrypted
Phone Number	Master Channel Board Address
Schedule Timezone	Network Device Type
Administrative Level Password	Access Level Password
, Domain Suffix	,
heinstall All Devices	
🛛 🔛 Save and C	lose 🕞 Save and New 🗶 Close

- 4. In your controller definition, give your controller a description.
 - You may want to include the new version controller type: **SRCNX-R0** in the description or in the notes to help you designate that this controller is the new style.
- 5. Next, we are assuming you already have a CIM and Networked CIM Port defined. You will attach the SRCNX-R to this CIM Port.
 - a. Click in the field called: "Attached to I/O Port or Master". The Controller, CIM Port Selection window will open.

Controller, CIM Port Selection	
TA AA 🕨 🕨 🛏 😋 🎸 🎆 🚧	
Controller Tree CIM Ports Controllers	
Device ID Description	Parent Description
3 CIM1 Network Port	CIM1
<	ا
	V DK X Cancel

- b. Click the "CIM Ports" tab and select the CIM port you want to attach your Controller to. (Above example is using the CIM Port: CIM1 Network Port)
- c. Click OK. The window will close and return you to the Controller Definition window.

6. When complete, your controller definition window should look similar to the one below.

🖉 Controller Definition		×
<u>F</u> ile <u>S</u> earch <u>H</u> elp		
* Description		
Defining an RCNX16 as an	SRCNX-R0	
Notes		
		÷
* Attached To I/O Port or M	aster Location	
UM1 Network Port	Ulf Site	
* Controller Model	Callback Set	
Che Certe Cert		
No defined site codes	Invitagy set I]
* Locale Timezone		
IP Address or Host Name	IP Port Number	_
	3001 🔀 🗖 Encrypted	
Phone Number	Master Channel Board Address	
Schedule Timezone	Network Device Type	
Administrative Level Passwr		
		_
, Domain Suffix	,	
✓ Installed		
E Reinstall All Devices		
2	🔚 Save and Close	•

- 7. Next, choose the Location of the board, by clicking in the field that says "Location".
 - a. Select your location from the list shown.
 - b. Click the OK button.

- 8. Next, click in the field that says "Controller Model". This will bring up a hardware list showing you all the types of controllers that can be selected. However, because the SRCNX-R0 is not in the list, we can use the existing hardware selections to setup the SRCNX-R0 properly.
 - a. In the list, select the controller that says: "SRCNX-16 Main" (You may also have the GRCNX-16 controller for one of you choices, that option is acceptable).
 - b. Click the OK button.

Select a Controller Model	
Type the text to find the closest match	h in the list and hit the Find Now button to filter the list.
Controller Model ID	Controller Model
12	GRCNX-2
64	SRCNX-16 Main
65	SRCNX-16 Main w/Expansion
61	SRCNX-2 Main
66	SRCNX-2 Main w/Expansion
62	SRCNX-8 Main
63	SRCNX-8 Main w/Expansion
45	SSRU Single Door Controller
	SSRL-300
	×
	✓ <u>D</u> K Cancel
10 item(s)	

9. Once you have selected your controller, your Controller Definition window should have the same or similar controller model shown in the example below.

🖉 Controller Definition			×
<u>F</u> ile <u>S</u> earch <u>H</u> elp			
* Description Defining an RCNX16 as a	n SRCNX-R0		
Notes			
			* *
* Attached To I/O Port or CIM1 Network Port	Master	Location Off Site	
* Controller Model SRCNX-16 Main		Callback Set No callback numbers	
Site Code Set No defined site codes		Holiday Set No defined holidays	
* Locale Timezone			
IP Address or Host Name		IP Port Number 3001 🔀 🗖 Encrypted	
Phone Number		Master Channel Board Address	
Schedule Timezone		Network Device Type <click expand="" to=""></click>	
Administrative Level Passu	vord	Access Level Password	_
Domain Suffix		,	
✓ Installed			
🔲 Reinstall All Devices			
2	🔛 Save and Close	e 📑 Save and New 🗶 Close	•

- 10. You can ignore the "Callback Set" field set as this is for dialup controller.
- 11. For the "Site Code Field", click in the field and select your predefined Side Code Set, if you have setup this option previously.
- 12. For the "Holiday Set" field, click in the field and select your predefined Holiday Set, if you have setup this option previously.

- 13. For the "Local Timezone" Field, Click in the field and select the Time Zone this controller is or will be located in. In the above example Eastern Standard Time was chosen.
- 14. In the "IP address or Host Name" field, type in the IP address of your controller. You controller's IP configuration should have been setup before hand.
 - a. In the below image, the controller's IP address is: 10. 45.50.155. Your controller definition should look similar to the example below though your IP address will be different.

Controller Definition	×
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an RCNX16 as an SRCNX-R0	
Notes	
	<u>^</u>
* Attached To I/O Port or Master CIM1 Network Port * Cantraller Model	Location Off Site
SRCNX-16 Main	No callback numbers
Site Code Set No defined site codes	Holiday Set No defined holidays
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada)	
IP Address or Host Name 10.45.51.155	IP Port Number 3001 🔀 🗖 Encrypted
Phone Number	Master Channel Board Address
Schedule Timezone	Network Device Type
Administrative Level Presword	Access Louis Presword
Domain Suffix	
✓ Installed	
E Reinstall All Devices	
😨 🔚 Save and Clo	ose 📑 Save and New 🗶 Close

- 15. The "IP Port number" is the TCP Network Port that the SRCNX-R0 controller uses to communicate with the CIM across the network. Unless directed, you should not change this setting.
- 16. You can ignore the "Phone Number" field as this is for dial up controllers only.
- 17. Next, click in the "Network Device Type" field. In the selection list, choose the Schlage SPINX100 network device. Then click OK. Your Controller Definition should look similar to the one below.

🖉 Controller Definition	
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an RCN×16 as an SRCN×-R0	
Notes	
	*
	-
* Attached To I/O Port or Master	Location
CIM1 Network Port	Off Site
* Controller Model	Callback Set
SRCNX-16 Main	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone	
[GMT-05:00] Eastern Time (US & Canada)	
IP Address or Host Name	IP Port Number
10.40.51.155	
Phone Number	Master Channel Board Address
Colorida Tinonana	Network Device Tupe
	Schlage SIPNX100
Administrative Level Password	
, Domain Suffix	
🗖 Reinstall All Devices	
🖳 Save and Close	Save and New X Close

18. Lastly, if this controller is installed and placed on the network, make sure the "Installed" checkbox is checked. If the Panel is not physically installed on the network, you can pre-

configure your controller in SMS, and *uncheck* the Installed checkbox. This way, SMS will not be 'looking' for it until it is ready.

Attaching Devices to a SRCNX-R0

Now we must setup devices on the two available channels. You can setup up to 8 devices of the same protocol on each channel. In the following pages, we will show you how to setup devices on SMS V5.3.5. Additional instructions for V5.3.4 and below will be given in **bold** text in line with the v5.3.5 instructions.

Attaching Devices to Channel 2

In this example, we'll be setting up an F protocol device, an AD300 Lock on Channel 2.

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Readers.

🖉 System Manager			
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp			
X	ļ		<u>×</u>
Areas	Area Tree Area Sets Card	nolder Categories Timezone Tree	Holiday Sets
Area Access	Hardware Map Callback Se	ets Site Code Sets	Lockdown Tree
Cardholders	H H A F F F F C 🔗 🖉	>	
Timezones, Holidays and Lockdowns	EI-CIM1		▲
Hardware Map	E CIM1 Network Port		
Edit CIM Ports 🔺	Defining an RCNX16 as an SCRI	NX-R0	
_			
Edit Controllers			
Edit Beaders			
Edit Contacts			
Site Lodes and Lalibacks			
All Areas Cardholders with Access to	Area All Cardholders Timezone Intervals	dit Readers Site Codes	
	- ୯ 🛷 🞡 🛤 🔛 🍪 📷		
Contacts At Relays At De	vice Reader	Reader	Provid 🔺
	D Description	Гуре	
			=
•			
1			

3. Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

🖉 Reader Definition 🧧
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300 Series Reader
Notes
A
* Attached To
* Provides Access To Area
<click expand="" to=""></click>
* Reader Model
A Reader Type Door Type Click to Expand w Click to Expand w
Antipaseback Time (Minutes) - Channel Number
0 1 1 1
Beader Template
No Device
,
Guest Sign In Beader Guest Sign Out Reader
😰 🛞 🔚 Save and Close 📑 Save and New 🔀 Close

4. Give your Reader definition a description.

5. Next we need to attach the reader to controller. Click in the field "Attach To", the Controller Selection window will open.

Controller Selection		- • ×
IA AA 🕨 🕨 M C' 🎸 🎇 🛤		
Controller Tree Controllers		
Device ID Description	Parent Description	
5 Defining an RCNX16 as an SCRNX-R0	CIM1 Network Port	
•		F
	ок	Cancel

a. Select the controller you created earlier and then click the OK button. You will be returned to the Reader definition window.

6. Your Reader Definition should look similar to the one below.

🧟 Reader Definition 📃 🔀
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300 Series Reader
Notes
·
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
<click expand="" to=""></click>
* Reader Model
× Deadar Tura
<pre>Click to Expand></pre>
Antipassback Time (Minutes) Channel Number Beader Address
Reader Template
No Device
Kevpad Reader Very Degraded Mode Auto Relock
Guest Sign In Reader Guest Sign Out Reader
😰 🔅 Save and Close 🛃 Save and New 🗶 Close

7. Next, we need to associate the reader with an area. Please click in the field "Provides Access to Area", choose the area you want to install the reader into and then click the OK button.

8. For this example the default Off Site Area was chosen. Your Reader Definition window should look similar to the example below.

💋 Reader Definition	
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
AD 300 Series Reader	
Notes	
	*
	+
* Attached To	
Defining an RCNX16 as an SCRNX-F	10
* Provides Access To Area	
Dff Site	
* Reader Model	
× Reader Tupe	* Deer Ture
<click expand="" to=""></click>	
Antipassback Time (Minutes) Chann	el Number Reader Address
0 1	1 1
Reader Template	
No Device	
🛛 🗖 Keypad Reader 🔽 De	egraded Mode 🔲 Auto Relock
📕 🔲 Guest Sign In Reader 🛛 🗖 Gu	uest Sign Out Reader
✓ Installed	
Beinstall All Devices	
😫 😳 📕 Save	and Close 🛛 🛃 Save and New 🛛 🗶 Close

9. Next, click in the field "Reader Model" and choose an F Protocol Device. In this example, an AD300MS series lock was chosen.

🖉 Select a Reader Model	
Type the text to find the closest match	h in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Reader Model ID	Reader Model
52	AD300-993
49	AD300CY
51	AD300MD
50	AD300MS
17	GRI - 1 RELAY
18	GRI - 2 RELAY
	Schlage VIP Lock
19	SRINX - 1 RELAY
20	SRINX - 2 RELAY
34	
	Wireless PIM
	T
1 · · ·	4
	✓ <u>O</u> K X Cancel
11 item(s)	<i>[,</i>

10. After your selection, your Reader Definition Window should look similar to the one below.

🧖 Reader Definition	×
File Edit Search Help	
* Description	
AD300 Series Reader	
Notes	_
	^
	Ŧ
* Attached To	
Defining an RUNX16 as an SURNX-RU	
* Provides Access To Area	
* Popder Medel	
AD300MS	
*Reader Type *Door Type	
<click expand="" to=""> <click expand="" to=""></click></click>	
Antipassback Time (Minutes) Channel Number Reader Address	
Reader Template	
No Device	
🔽 Keypad Reader 🔽 Degraded Mode 🖂 Auto Relock	
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader	
✓ Installed	
🔲 Reinstall All Devices	
	. 1
Save and Llose	8

11. Because there is no AD Series locks in SMS Versions below 5.3.5, you would need to choose a VIP lock instead to support the AD Series (see image below).

🜠 Reader Definition 🛛 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300 Series Reader
Notes
A
· · · · · · · · · · · · · · · · · · ·
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
* Reader Model
* Reader Type * Door Type
<click expand="" to=""> <click expand="" to=""></click></click>
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🗆 Keypad Reader 🔽 Degraded Mode 🗖 Auto Relock
🔲 Guest Sign In Reader 🔰 Guest Sign Out Reader
✓ Installed
Reinstall All Devices
Liose

12. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

🧟 Reader Definition 📃 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300 Series Reader
Notes
-
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
Off Site
* Reader Model
AD 300MS
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
🗌 Keypad Reader 🛛 🔽 Degraded Mode 📄 Auto Relock
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader
✓ Installed
Reinstall All Devices
🖳 😒 🔚 Save and Close 🔂 🔂 Save and New 🛛 🗶 Close

- 13. Next you need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. This example starts with Channel 2 using ONLY F protocol devices as you cannot mix different protocols on a single channel.
- 14. In this example, this is the first reader so it will be assigned Channel 2 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 2, Reader Address 2 and so on.
- 15. Your Reader Definition Window should look similar to the one below.

🥻 Reader Definition	×
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
AD300 Series Reader	
Notes	
	<u></u>
	-
* Attached To	
Defining an RCNX16 as an SCRNX-R0	
* Provides Access To Area	
Off Site	
* Reader Model	
AD300MS	
* Reader Type * Door Type	
Standard Reader	
Antipassback Time (Minutes) Channel Number Reader Address	
	×
Reader Template	
🔽 Keypad Reader 🔽 Degraded Mode 🗌 Auto Relock	< l
🔲 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader	
✓ Installed	
Reinstall All Devices	
	V a 1
Save and Llose	👗 Close

- 16. Next, we need to choose a reader template. You have the option of not choosing a template, however, we highly recommend you do as the reader templates will setup all the relays, contacts, etc. automatically for you for the reader you selected.
- 17. Click in the field that says "Reader Template". This will bring up the Device Template window.
 - a. Choose a device template and click the OK button. In this example the AD300MS Hard Wired Mortis Lock Set was chosen.

Ø	Select a Device Templ	ate		
	Type the text to find the closest match in the list and hit the Find Now button to filter the list.			
	Device Template ID	Device Template Description	Device Template A Notes	
	179	AD300MS Hard Wired Mortise Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	96	AD400-993 Wireless Exit Trim	AD400-993 Lock allows entry into this door. Lock Handle Exit Request (RE	
	59	AD400CY Wireless Cylindrical Lockset	AD400CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	83	AD400MD Wireless Mortise Deadbolt Lockset	AD400MD Lock allows entry into this door. Lock Handle Exit Request (RE	
	71	AD400MS Wireless Mortise Lockset	AD400MS Lock allows entry into this door. Lock Handle Exit Request (RE	
	108	AD-WPR Wireless Portable Reader	AD-WPR Lock will activate Led for Card Access Status. Battery Status is t	
	0	No Device		
	113	PIM-485	The PIM-485 works in conjuction with several types of wireless peripherals	
	38	RINX - No REX & DOD	Reader allows entry into this door. No Exit Request (REX) or Door Status N	
	5	RINX - No REX with DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door !	
	32	RINX - No REX without DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door !	
	48	RINX - REX with DOD Reporting/ADA Special Acc	Reader allows entry for this door. Exit Request (REX) available, used for ex	
	11	RINX - REX with DOD Trigger	Reader allows entry for this door. Exit Request (REX) available, used for ev \pm	
-			Þ	
	· · · · · ·		QKCancel	
29 i	tem(s)		h.	

18. When complete, your Reader Definition should look like the example below.

🖉 Reader Definition 📃
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD 300 Series Reader
Notes
A
+
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
* Beader Model
AD 300MS ····
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
PD 300MS Hard Wired Mortise Lockset
☐ Keypad Reader
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader
✓ Installed
E Reinstall All Devices
😰 🔅 Save and Close 🛃 Save and New 🔀 Close

19. You can also make additional choices by checking off the check boxes should you need or decide to.

- 20. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
 - a. In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.



21. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

🖉 System Manager					
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp					
X					X
Areas	Area Tree Area Sets Cardholder Categories Timezone Tree Holiday Sets				
Area Access	Hardware Map Callback Sets Site Code Sets Lockdown Tree				
Cardholders	K K K •	· >> >> <<	S.		
Timezones, Holidays and Lockdowns	E-CIM1		0.010		
Hardware Map	E CIM1 Net	work Port			
Edit CIM Ports	⊟Defini	ng an RCNX16 as an	SCRNX-RO		
		J300 Series Header AD300 Series Bead	er - GO		
E dit Controllers		AD300 Series Read	er - Tamper Swil	ch	
Edit Deaders		AD300 Series Read	er - Key Switch I	Monitor	
	AD300 Series Reader - DOD AD300 Series Reader - REX AD300 Series Reader - Lock Clutch Position AD300 Series Reader - Low Lithium Battery AD300 Series Reader - Deadbolt Position				
Edit Contacts					
Edit Relays					
CM Locks 👝	AD300 Series Reader - Interior Push Button				
_					•
Site Codes and Callbacks	<u> </u>				2
All Areas Cardholders with Access to A	Area All Cardholder	s Timezone Interval	s Edit Relays	Site Codes	
	ି ୯ 🛷 💥 🕯	a 📰 🍪 🔝		1	
Device Relay ID Descript	ion	Attached Controller or	To Reader	Loc	ation
7 AD300 Series Reader -	GO A	D300 Series Reader		Off Site	
					=
I = 1					ł
	Relays 1 Record	s) in Grid			

Attaching Devices to Channel 3

Now we will setup an SMS Protocol device on the second channel, channel 3. Remember that if you were to attach additional devices to this channel, and there is a SMS Protocol device attached, the additional devices can only be SMS protocol devices; you cannot mix F protocol and SMS protocol on the SAME channel.

In this example, we'll be setting up an SMS Protocol device, SRINX – 2 Relay Reader on Channel 3.

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Readers.

🔏 System Manager			
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp			
X	Area Tree Area Sate Cardh	older Categories D. Timezone Tree	Holidau Sets
	Hardware Map Callback Sel	ts Site Code Sets	Lockdown Tree
Cardholders	ына ь » ы с 🏈 🖉		
Timezones, Holidays and Lockdowns	Goto		
Hardware Map	CIM1 Network Port		
Edit CIM Ports 🔺	Defining an RCNX16 as an SCRN	IX-R0	
E dit Controllers			
Edit Readers			
Edit Contacts Site Codes and Callbacks			▼ ℤ
All Areas Cardholders with Access to a	Area All Cardholders Timezone Intervals Ec	lit Readers Site Codes	
	· ୯ 🛷 👷 🛤 📰 🌼 📷		
Contacts At Relays At Dev Capacity Capacity II	ice Reader Description	Reader Type	Provid 🔺
			E
			-
•			- F

3. Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

🖉 Reader Definition 🛛 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
x Description
SMS Protocol SBINX-2 Belau Beader
Notes
NOIGS
-
* Attached To
Provides Access To Area
Off Site
* Reader Model
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
🔲 Keypad Reader 🛛 🔽 Degraded Mode 📄 Auto Relock
🗖 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader
✓ Installed
🔲 Reinstall All Devices
Save and Close Save and New X Close

4. Give your Reader definition a description.

5. Next we need to attach the reader to controller. Click in the field "Attach To" the Controller Selection window will open.

Controller Selection		
16 44 6 F F F C 🎸 🎆 🚧		
Controller Tree Controllers		
Device ID Description	Parent Description	
5 Defining an RCNX16 as an SCRNX-R0	CIM1 Network Port	
		۲
	🗸 ОК	🗙 Cancel

- a. Select the controller you created earlier.
- b. Click the OK button. The Controller Selection window will close and return you to the Reader Definition window.

6. Your Reader Definition should look similar to the one below.

Reader Definition
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
Off Site
* Reader Model
* Header Type * Door Type
Antipashadk Tips (Minutes) Channel Number Basder Address
0 1 1 1
Beader Template
No Device
,
Guest Sign In Reader Guest Sign Dut Reader
Reinstall All Devices
😰 🍪 🔚 Save and Close 📑 Save and New 🗶 Close

- 7. Next, you need to associate the reader with an area. Click in the field "Provides Access to Area": a list of areas will open.
 - a. Choose the area you want to install the reader into.
 - b. Click the OK button.

8. In this example, the default Off Site Area was chosen . Your Reader Definition window should look similar to the example below.

🖉 Reader Definition 🛛 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
A
· · ·
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🗆 Keypad Reader 🔽 Degraded Mode 🗖 Auto Relock
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader
✓ Installed
🔲 Reinstall All Devices
😰 🚳 🔚 Save and Close 📑 Save and New 🔀 Close

Note: When you opened the Reader Definition window the Area already had a value. If you have configured a reader before, this field as well as some others (channel number, reader address, etc.) is remembered from your last selection. If the options from the previous reader are valid for the new reader, those values do not need to be altered.

9. Next, click in the field "Reader Model" and choose a SMS Protocol Device. In this example the SRINX – 2 Relay Reader was chosen.

🖉 Select a Reader Model	
Type the text to find the closest matc	h in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Reader Model ID	Reader Model A
52	AD300-993
49	AD300CY
51	AD300MD
50	AD300MS
17	GRI - 1 RELAY
18	GRI - 2 RELAY
28	Schlage VIP Lock
19	SRINX - 1 RELAY
20	SRINX - 2 RELAY
34	Wireless APM
35	Wireless PIM
	+
 I ■ 	۲.
	K ▲ Cancel
11 item(s)	li.

10. After your selection, your Reader Definition Window should look similar to the one below.

🖉 Reader Definition	
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
SMS Protocol SRINX-2 Relay Reade	r
Notes	
	<u>^</u>
	*
* Attached To	
Defining an RCNX16 as an SCRNX-f	10
* Provides Access To Area	
* Reader Model SRINX - 2 RELAY	
* Reader Type	* Door Type
Standard Reader	Pedestrian
Antipassback Time (Minutes) Chann	el Number Reader Address
0 12	
Reader Template	
No Device	
🔲 Keypad Reader 🔽 De	graded Mode 📃 Auto Relock
🔲 🔲 Guest Sign In Reader 👘 Gu	lest Sign Out Reader
✓ Installed	
🔲 Reinstall All Devices	
😰 🛞 🔲 🖬 Save	and Close 🛛 📮 Save and New 🛛 🗶 Close

11. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

🥻 Reader Definition	x
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
SMS Protocol SBINX-2 Belav Beader	-
Notes	
	r
× Attached To	
Defining an RCNX16 as an SCRNX-R0	1
* Provides Access To Area	-
Off Site	1
* Reader Model	
SRINX - 2 RELAY	
* Reader Type * Door Type	
Standard Reader Pedestrian	
Antipassback Time (Minutes) Channel Number Reader Address	
Reader Template	
No Device]
🗌 Keypad Reader 🖉 Degraded Mode 📄 Auto Relock	
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader	
Installed	
Reinstall All Devices	
	1
😰 🧐 Save and Close 💽 Save and New 🗶 Close	

- 12. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. In our example we are now using Channel 3 using ONLY SMS protocol devices as you cannot mix different protocol types on a single channel.
 - a. This is the first reader so we will assign Channel 3 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 3, Reader Address 2 and so on.
- 13. Your Reader Definition Window should look similar to the one below.

🧟 Reader Definition 🗧	×					
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp						
* Description						
SMS Protocol SRINX-2 Relay Reader						
Notes						
* Attached To						
Defining an RCNX16 as an SCRNX-R0						
* Provides Access To Area						
Off Site						
* Reader Model	1					
* Beader Turce	1					
Standard Reader Pedestrian	1					
Antinassback Time (Minutes) Channel Number Beader Address						
Reader Template						
No Device						
☐ Keypad Reader						
🔲 Guest Sign In Reader 🔲 Guest Sign Out Reader						
Reinstall All Devices						
😰 🔅 Save and Close 🕞 Save and New 🗶 Close						

14. Next, you need to choose a reader template. You have the option of not choosing a template, however, it is highly recommend that you do as the reader templates will setup all the relays, contacts, etc. automatically for the reader you selected.

15.	Click in the field that sa	vs "Reader Tem	plate" This will bri	ng up a list of te	mplate to choose from.
±0.	energine and the set	yo neader rem		ing up u not of te	

Ø	Select a Device Templ	ate			
ľ	Type the text to find the closest match in the list and hit the Find Now button to filter the list.				
	Device Template ID	Device Template Description	Device Template A Notes		
	179	AD300MS Hard Wired Mortise Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)		
	96	AD400-993 Wireless Exit Trim	AD400-993 Lock allows entry into this door. Lock Handle Exit Request (Rf		
	59	AD400CY Wireless Cylindrical Lockset	AD400CY Lock allows entry into this door. Lock Handle Exit Request (RE)		
	83	AD400MD Wireless Mortise Deadbolt Lockset	AD400MD Lock allows entry into this door. Lock Handle Exit Request (RE		
	71	AD400MS Wireless Mortise Lockset	AD400MS Lock allows entry into this door. Lock Handle Exit Request (RE		
	108	AD-WPR Wireless Portable Reader	AD-WPR Lock will activate Led for Card Access Status. Battery Status is t		
	0	No Device	=		
	113	PIM-485	The PIM-485 works in conjuction with several types of wireless peripherals		
	38	RINX - No REX & DOD	Reader allows entry into this door. No Exit Request (REX) or Door Status N		
	5	RINX - No REX with DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door :		
	32	RINX - No REX without DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door !		
	48	RINX - REX with DOD Reporting/ADA Special Acc	Reader allows entry for this door. Exit Request (REX) available, used for ex		
	11	RINX - REX with DOD Trigger	Reader allows entry for this door. Exit Request (REX) available, used for ex $ullet$		
•			Þ		
			✓ <u>□</u> K <u>Cancel</u>		
29 i	tem(s)		li.		

- a. Select a reader Template. In this example, the RINX REX with DOD Trigger template was chosen
- b. Click the OK button. The window will close.

16. When complete, your Reader Definition should look like the example below.

🧭 Reader Definition	×					
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp						
* Description						
SMS Protocol SRINX-2 Relay Reader						
Notes						
	*					
	-					
* Attached To						
Defining an RCNX16 as an SCRNX-R0						
* Provides Access To Area						
Off Site						
* Peader Tures * Deer Tures						
Standard Reader Pedestrian						
Antipassback Time (Minutes) Channel Number Reader Address						
0 14 3 14 1	1					
Reader Template						
RINX - REX with DOD Trigger						
🔽 Keypad Reader 🔽 Degraded Mode 🗌 Auto Relock						
🔲 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader						
😫 🚱 🔚 Save and Close 📑 Save and New 🗙 C	lose					

17. You can also make additional choices by checking off the check boxes should you need or decide to.

- 18. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
 - a. In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.

Template Choices	×
Choose what you want to duplicate	
I✓ Contacts I✓ Relays	
✓ Event Triggers	
✓ Predefined and Manual Overrides	
Automatic Overrides	
Cancel	

19. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

💋 System Manager				- • •	
<u>File E</u> dit <u>V</u> iew <u>H</u> elp					
X					
Areas	Area Tree Ar	ea Sets 📔 Cardholder Categor	ies Timezone 1	Tree Holiday Sets	
Area Access	Hardware Map	Callback Sets	Site Code Sets	Lockdown Tree	
Cardholders	$\bowtie \ll \checkmark \bullet$	▶ ▶ @ Ø 🐼			
Timezones, Holidays and Lockdowns	E-CIM1				
Hardware Map	E-CIM1 Netwo	ork Port			
Edit Controllers	<u>∃</u> Defining) an RCNX16 as an SCRNX-RO			
		300 Series Reader S Devlaged CDINK 2 Delay Devide	_		
Edit Readers	<u> </u>	S Protocol SHINX-2 Relay Reade	ader - GO		
		SMS Protocol SRINX-2 Relay Re	ader - Activate		
Edit Contacts		SMS Protocol SRINX-2 Relay Re	ad - Auxiliary Input		
E dà Dialana		SMS Protocol SRINX-2 Relay Re	ader - DOD		
E dit heiays		SMS Protocol SRINX-2 Relay Re SMS Protocol SRINX-2 Relay Re	ader - REX		
CM Locks		SMS FIOLOCOLSHINA-2 - FUSILB	utton Overnae		
Campus Locks					
				-	
Site Codes and Callbacks	<u> </u>			2	
All Areas Cardholders with Access to	Area All Cardholders	Timezone Intervals Edit Relay	's Site Codes		
н н н н н н + -	- c 🎸 💥 🛤	📰 🌼 📷			
Device Rela ID Descrip	tion	Attached To Controller or Reader		Location ^	
7 AD 300 Series Reader	GO AD	300 Series Reader	Off Site		
18 SMS Protocol SRINX-3	2 Relay Reader - A SM	S Protocol SRINX-2 Relay Reade	r Off Site		
17 SMS Protocol SRINX-2 Relay Reader - G SMS Protocol SRINX-2 Relay Reader Off Site				=	
4 🗌 🕞					
	Belaus 3 Becord(s)	in Grid			
SRCNX-R1

The SRCNX-R1 will be defined as an SRCNX-16 with expansion. The SRCNX-R1 can ONLY support up to eight contacts and eight relays. It can support up to 8 devices of the same protocol per channel and has two channels (channel 2 and channel 3) for a total of 16 devices. F-series and SMS protocol devices cannot be put on the *same channel*. Channel 2 can have either F-series OR SMS protocol devices while **Channel 3 can ONLY have SMS protocol devices**.

The SRCNX-R1 consists of an SRCNX-R with one SIONX-8 controller wired to Channel 3 *jumpered as physical address 15*. In the SMS software there is NO NEED to program an SIONX-8 at all as the SRCNX-R1 is treated as an SRCNX-16 Main with Expansion. The expansion version of the controllers will allow your software to work with the onboard SIONX-8 board that has been installed on the SRCNX-R1 hardware.

If you are using a version of SMS that has the SRCNX-16 with expansion or SRCNX-16 Main with expansion <u>and</u> GRCNX-16 with expansion as options, choose the SRCNX-16 with expansion or SRCNX- 16 Main with expansion.

If you have a version of SMS that <u>only</u> has a GRCNX-16 with expansion as an option, then choose the GRCNX-16 with expansion.

Programming a SRCNX-R1 as a Controller

Follow the instructions below to set up your SRCNX-R1 as a Controller:

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Controllers.

🔏 System Manager				
File Edit View Help				
]				
<u> </u>	Area Tree	Area Sata	an Ì Timazana Tran Ì Halida	
	Hardware Ma	P Callback Sets	Site Code Sets Cockdown 1	ree
Cardholders		N N N A 🖉 🖉		1
Timezones, Holidays and Lockdowns		Goto		
Hardware Map	CIM1 CIM1 Netv	vork Port		
Edit CIM Ports				
Edit Controllers				
E dit Beaders				
Edit Contacts				
Site Codes and Calibacks	<u> </u>	1		
All Areas Cardholders with Access to	Area All Cardholder: -	s Timezone Intervals Edit Controllers 	Site Codes	
	- ୯ 🛷 🖗 🏘			
Channel At Contacts At Rela	ys At Device	Controller	Attached To	<u>^</u>
		Description		
				Ξ
				-
•				- F

3. In the bottom section, click on the + button. This will bring up Controller Definition.

6 Controller Definition	×
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an SRCNX16 Main w/expansion as	an SRCNX-R
Notes	
	*
* Attached To I/O Port or Master	Location
	Off Site
* Controller Model	Callback Set
	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada)	
	ID Det Nuclea
IP Address or Host Name	3001 🚺 Encrypted
Phone Number	Master Channel Board Address
	N/A 💌 N/A 💌
Schedule Timezone	Network Device Type
Never	
Administrative Level Password	Access Level Password
	J
Domain Suffix	
J	
✓ Installed	
🔲 Reinstall All Devices	
Save and Clo	ose 🕼 Save and New 🗶 Close

- 4. In your controller definition, give your controller a description.
 - You may want to include the new version controller type: **SRCNX-R1** in the description or in the notes to help you designate that this controller is the new style.
- 5. Next, we are assuming you already have a CIM and Networked CIM Port defined. You will attach the SRCNX-R to this CIM Port.
 - a. Click in the field called: "Attached to I/O Port or Master". The Controller, CIM Port Selection window will open.

Controller, CIM Port Selection	
TA AA 🕨 🕨 🛏 😋 🎸 🎆 🚧	
Controller Tree CIM Ports Controllers	
Device ID Description	Parent Description
3 CIM1 Network Port	CIM1
<	ا
	V DK X Cancel

- b. Click the "CIM Ports" tab and select the CIM port you want to attach your Controller to. (Above example is using the CIM Port: CIM1 Network Port)
- c. Click OK. The window will close and return you to the Controller Definition window.

6. When complete you controller definition window should look similar to the one below.

🖉 Controller Definition	
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an SRCNX16 Main w/expansion	as an SRCNX-R
Notes	
	*
× Attached To I/O Port or Master	Location
CIM1 Network Port	· Off Site ····
* Controller Model	Callback Set
	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone	
IP Address or Host Name	IP Port Number
	3001 🔀 🗆 Encrypted
Phone Number	Master Channel Board Address
	N/A V N/A V
Schedule Timezone	Network Device Type
Never	Click to Expand>
Administrative Level Password	Access Level Password
Domain Suffix	
	-
Reinstall All Devices	
😰	Close 🖓 Save and New 🗶 Close

- 7. Next, choose the Location of the board, by clicking in the field that says "Location".
 - a. Select your location from the list shown.
 - b. Click the OK button.

- 8. Next, click in the field that says "Controller Model". This will bring up a hardware list showing you all the types of controllers that can be selected. However, because the SRCNX-R1 is not in the list, we can use the existing hardware selections to setup the SRCNX-R1 properly.
 - a. In the list, select the controller that says: "SRCNX-16 Main w/Expansion" (You may also have the GRCNX-16 w/expansion controller for one of you choices, that option is acceptable).
 - b. Click the OK button.

🖉 Select a Controller Model	
Type the text to find the closest match	n in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Controller Model ID	Controller Model
12	GRCNX-2
64	SRCNX-16 Main
▶ <u>65</u>	SRCNX-16 Main w/Expansion
61	SRCNX-2 Main
66	SRCNX-2 Main w/Expansion
62	SRUNX-8 Main
- 63	SRUNX-8 Main W/Expansion
40	SSRC Single Door Controller
46	SSRC-400
	-
	P.
	✓ <u>D</u> K ∑ancel
10 item(s)	li.

9. Once you have selected your controller, your Controller Definition window should have the same controller model shown in the example below.

🖉 Controller Definition	×
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description Defining an SRCNX16 Main w/expansion as an SRCNX-R	
Notes	
	÷
* Attached To I/O Port or Master CIM1 Network Port Off Site	
* Controller Model Callback Set	
BRCNX-16 Main w/Expansion No callback numbers	
Site Code Set Holiday Set	
No defined site codes No defined holidays	
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada)	
IP Address or Host Name IP Port Number	
Phone Number Master Channel Board Add N/A N/A N/A	ress •
Schedule Timezone Network Device Type	
Never Click to Expand>	
Administrative Level Password Access Level Password	
Domain Suffix	
v Installed	
E Reinstall All Devices	
😰 🛛 🔄 Save and Close	Close

- 10. You can ignore the "Callback Set" field set as this is for dialup controller.
- 11. For the "Site Code Field", click in the field and select your predefined Side Code Set, if you have setup this option previously.
- 12. For the "Holiday Set" field, click in the field and select your predefined Holiday Set, if you have setup this option previously.

- 13. For the "Local Timezone" Field, Click in the field and select the Time Zone this controller is or will be located in. In the above example Eastern Standard Time was chosen.
- 14. In the "IP address or Host Name" field, type in the IP address of your controller. Your controller's IP configuration should have been setup before hand.
 - a. In the below image, the controller's IP address is: 10. 45.50.155. Your controller definition should look similar to the example below though your IP address will be different.

Ø Controller Definition	
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an SRCNX16 Main w/expansion as	an SRCNX-R
Notes	
	*
* Attached To I/O Port or Master	Location
* Controller Model	Callback Set
SRCNX-16 Main w/Expansion	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada)	
IP Address or Host Name	IP Port Number
10.45.51.155	3001 🔀 🗖 Encrypted
Phone Number	Master Channel Board Address
Schedule I imezone	Click to Expand>
Administrative Level Password	Access Level Password
Domain Suffix	
✓ Installed	
E Bainetall All Devines	
😰 🛛 🔛 Save and Clos	se 🔄 🛃 Save and New 🛛 🗶 Close

- 15. The "IP Port number" is the TCP Network Port that the SRCNX-R1 controller uses to communicate with the CIM across the network. Unless directed, you should not change this setting.
- 16. You can ignore the "Phone Number" field as this is for dial up controllers only.
- 17. Next, click in the "Network Device Type" field. In the selection list, choose the Schlage SPINX100 network device. Your Controller Definition should look similar to the one below.

File Search Help * Description Defining an SBCNX16 Main w/expansion as an SBCNX-R Notes * * Attached To I/D Port or Master Location CIM1 Network Port • * Controller Model Callback Set SRCNX-16 Main w/Expansion • * Controller Model Callback Set SRCNX-16 Main w/Expansion • No defined site codes • * Locale Timezone IP Port Number I045.51.155 3001 IP Address or Host Name IP Port Number I045.51.155 3001 IP Address or Host Name Board Address N/A NA Schedule Timezone N/A Network Device Type N/A Network Device Type Administrative Level Password Administrative Level Password Access Level Password Image: Provide Address Image: Provide Password Image: Provide Address Im	Controller Definition	
* Description Defining an SRCNX16 Main w/expansion as an SRCNX-R Notes * Attached To 1/O Port or Master ClM1 Network Port * Controller Model SRCNX-16 Main w/Expansion * Locale Timezone (GMT-05:00) Eastern Time (US & Canada) IP Address or Host Name IP Port Number 10.45.51.155 3001 Y NA Notes Matter Channel Board Address N/A N/A Network Device Type Ncer Administrative Level Password Access Level Password Ommain Suffix Domain Suffix Domain Suffix Save and Close Reinstall All Devices	<u>F</u> ile <u>S</u> earch <u>H</u> elp	
Defining an SRCNX16 Main w/expansion as an SRCNX-R Notes * Attached To I/O Port or Master Location CIM1 Network Port * Controller Model SRCNX-16 Main w/Expansion * Controller Model SRCNX-16 Main w/Expansion * Controller Model Callback Set SRCNX-16 Main w/Expansion * Locale Set No defined site codes * Locale Timezone [(GMT-05:00) E astern Time (US & Canada) IP Address or Host Name IP Address or Host Name IP Address or Host Name IV/A Schedule Timezone N/A N/A Schedule Timezone N/A N/A Schedule Timezone N/A Schedule Timezone Network Device Type Network Device Type Network Device Type Network Device Type Ommain Suffix Domain Suffix Domain Suffix Save and Close Reinstall All Devices	* Description	
Notes * Attached To I/O Port or Master CIM1 Network Port Off Site * Controller Model SRCNX-16 Main w/Expansion Site Code Set No defined site codes * Locale Timezone (GMT-05:00) E astern Time (US & Canada) IP Address or Host Name ID Port Number Notes N/A Schedule Timezone Notes N/A Notes N/A Notes Notes IP Address or Host Name IP Port Number Master Channel Board Address N/A Network Device Type Network Device Type Network Device Type Network Device Type Domain Suffix Domain Suffix Image: Save and Close Save and Close	Defining an SRCNX16 Main w/expansion as a	n SRCNX-R
* Attached To I/O Port or Master * Attached To I/O Port or Master CIM1 Network Port * Controller Model Callback Set SRCNX-16 Main w/Expansion Off Site Callback Set SRCNX-16 Main w/Expansion No callback numbers * Locale Set No defined site codes * Mo defined holidays ** Locale Timezone (GMT-05:00) Eastern Time (US & Canada) ** IP Address or Host Name IP Port Number I0.45:51.155 3001 ** Schedule Timezone N/A N/A N/A N/A N/A N/A Schedule Timezone Network Device Type Never Administrative Level Password Domain Suffix Tenstalled Reinstall All Devices Save and Close Fave and New X Close	Notes	
* Attached To I/O Port or Master CIM1 Network Port * Controller Model Callback Set SRCNX-16 Main w/Expansion * Code Set No defined site codes * Mo defined site codes * Locale Timezone (GMT-05:00) Eastern Time (US & Canada) * Locale Timezone IP Address or Host Name IP Port Number 10.45:51.155 J001 * Installed Phone Number No defined Phone Sumore Administrative Level Password Port Number Domain Suffix Port Installed Reinstall All Devices Save and Close Save and New X Close		A
* Attached To I/O Port or Master Location CIM1 Network Port * Controller Model Callback Set SRCNX-16 Main w/Expansion No callback numbers Site Code Set Holiday Set No defined site codes * Locale Timezone [GMT-05:00] Eastern Time (US & Canada) IP Address or Host Name IP Port Number 10.45.51.155 Phone Number Master Channel Board Address N/A Schedule Timezone Network Device Type Never Administrative Level Password Access Level Password ✓ Installed Reinstall All Devices		v
* Controller Model * Controller Model SRCNX-16 Main w/Expansion Site Code Set No defined site codes * Locale Timezone [GMT-05:00] Eastern Time (US & Canada) IP Address or Host Name ID Address Or Host Nam	* Attached To I/O Port or Master	Location
Controller Moder SRCNX-16 Main w/Expansion Site Code Set No defined site codes No defined holidays * Locale Timezone [GMT-05:00] Eastern Time (US & Canada) IP Address or Host Name IP Port Number IO.45.51.155 Schedule Timezone Network Device Type Network Device Type Schedule Timezone Network Device Type Schedule Timezone Administrative Level Password Access Level Password Ormain Suffix Domain Suffix Image: Save and Close Save and Close	Controller Model	
Site Code Set No defined site codes * Locale Timezone (GMT-05:00) Eastern Time (US & Canada) IP Address or Host Name IP Address or Host Name ID Address or Host Name IP Port Number 3001 IM aster Channel Board Address N/A Schedule Timezone Network Device Type Schedule Timezone Network Device Type Schalge SIPNX100 Administrative Level Password Image: Domain Suffix	SRCNX-16 Main w/Expansion	No callback numbers
No defined site codes * Locale Timezone (GMT-05:00) E astern Time (US & Canada) IP Address or Host Name IP Address or Host Name ID Address or Host Name ID Address or Host Name IP Port Number ID Ads.51.155 Schedule Timezone No defined holidays N/A Schedule Timezone Network Device Type Network Device Type Schedule Timezone Network Device Type Schedule Timezone Domain Suffix Image: Save and Close Save and Close Save and New	Site Code Set	Holiday Set
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada) IP Address or Host Name IP Address or Host Name IP Port Number I0.45.51.155 Sochedule Timezone N/A N/A N/A N/A N/A N/A N/A N/A Administrative Level Password Domain Suffix Installed Reinstall All Devices Save and Close Save and New X Close	No defined site codes	No defined holidays
(GMT-05:00) Eastern Time (US & Canada) IP Address or Host Name IP Port Number 10.45.51.155 3001 2 Phone Number Master Channel Board Address N/A ▼ N/A ▼ Schedule Timezone Network Device Type Schlage SIPNX100 Administrative Level Password Access Level Password Domain Suffix Image: Reinstall All Devices Save and Close Save and New X Close	* Locale Timezone	
IP Address or Host Name IP Port Number 10.45.51.155 3001 Phone Number Master Channel Board Address N/A Schedule Timezone Never Administrative Level Password Access Level Password Domain Suffix Image: Save and Close Save and Close Image: Save and New	(GMT-05:00) Eastern Time (US & Canada)	···
10.45.51.155 Phone Number Master Channel Board Address N/A Schedule Timezone Never Administrative Level Password Domain Suffix Image: Solution of the second sec	IP Address or Host Name	IP Port Number
Phone Number Master Channel Board Address Schedule Timezone N/A Image: N/A Schedule Timezone Network Device Type Never Schlage SIPNX100 Administrative Level Password Access Level Password Domain Suffix Image: Note that the second se	10.45.51.155	3001 🔀 Encrypted
Schedule Timezone Network Device Type Schlage SIPNX100 Administrative Level Password Access Level Password Domain Suffix Installed Reinstall All Devices Save and Close Save and New Close Close	Phone Number	Master Channel Board Address
Never Administrative Level Password Access Level Password Domain Suffix Image: Solution of the second secon	Coloridulo Timenono	Network Device Tune
Administrative Level Password Administrative Level Password Domain Suffix Installed Reinstall All Devices Save and Close Save and New	Never	Schlage SIPNX100
Domain Suffix Installed Reinstall All Devices Save and Close Contemportation Contempor	Administrative Level Password	Access Level Password
Domain Suffix Installed Reinstall All Devices Save and Close Close Cl		
 ✓ Installed □ Reinstall All Devices ☑ Save and Close ☑ Save and New 	Domain Suffix	
Installed Reinstall All Devices Save and Close Save and New Close Close		
Save and Close	🗖 Reinstell All Devines	
Image: Save and Close		
😰 🔚 Save and Close 📑 Save and New 🛛 🗶 Close	· · · · · · · · · · · · · · · · · · ·	
	😰 🛛 🔛 Save and Close	e 🔚 Save and New 🗶 Close

18. Lastly, if this controller is installed, and placed on the network, make sure the "Installed" checkbox is checked. If the Panel is not physically installed on the network, you can pre-

configure your controller in SMS, and *uncheck* the Installed checkbox. This way, SMS will not be 'looking' for it until it is ready.

- 19. Click the Save and Close button.
- 20. You will now be back in the System Manger Window. If you expand the hardware map tree, you window should look similar to the one below.

🖉 System Manager			
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp			
X			<u>×</u>
Areas	Area Tree	Area Sets Cardholder Categori	ies Timezone Tree
Area Access	Holiday Sets H	lardware Map Callback Sets Site C	ode Sets 📔 Lockdown Tree 📗
Cardholders		· •• • • • • • 🖉 🖉	
Timezones, Holidays and Lockdowns	E-CIM1	OPTD	_
Hardware Map	E CIM1 Net	work Port	
Edit CIMs 🗾	Defini	ng an SRCNX16 Main w/expansion as ar	n SRCNX-R
Edit CIM Ports			
Edit Controllers			
Edit Readers 🗖			-
Site Codes and Callbacks			Z
All Areas Cardholders with Access to	Area All Cardholder	rs Timezone Intervals Edit Controllers	Callback Numbers
I4 44 4 F FF FF + -	- ୯ 🋷 💥 🕯	4 🗐	
Channel At Contacts At Rela Capacity Capacity Cap	ys At Device acity ID	Controller Description	Attached A
	32	Defining an SRCNX16 Main w/expansio	r CIM1 Network Port
			E
			-
I ← □			Þ
	Controllers 1 Rec	ord(s) in Grid	

Attaching Devices to a SRCNX-R1

Now we must setup devices on the two available channels. You can setup up to 8 devices of the same protocol on channel 2 and 8 devices of SMS protocol ONLY on Channel 3. In the following pages, we will show you how to setup devices on SMS V5.3.5. Additional instructions for V5.3.4 and below will be given in **bold** text in line with the v5.3.5 instructions.

Attaching Devices to Channel 2

In the next set of instructions, continuing with this controller, we will configure an F Protocol device on Channel 2.

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Readers.



3. Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

🖉 Reader Definition	×
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
AD300MS F-Protocol Reader	-
Notes	
	~
	Ŧ
* Attached To	
<u> </u>	-
* Provides Access To Area	
	-
* Reader Model	
Keader Type × Door Type	
Standard Reader Pedestrian	
Antipassback Time (Minutes) Channel Number Reader Address	
Reader Template	
No Device	
🔽 Keypad Reader 🔽 Degraded Mode 🔲 Auto Relock	
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader	
✓ Installed	
🗖 Reinstall All Devices	
😰 🛞 🔚 Save and Close 📑 Save and New 🗶 Close	

4. Give your Reader definition a description.

5. Next we need to attach the reader to a controller. Click in the field "Attach To", the Controller Selection window will open.

🖉 Controller Selection		
IC (C C F F F C 🔗 🎇 🛤		
Controller Tree Controllers		1
Device ID Description	Parent Description	
32 Defining an SRCNX16 Main w/expansion as an SRCNX-R	CIM1 Network Port	
		Þ
	🗸 ок	X Cancel

a. Select the controller you created earlier and then click the OK button. You will be returned to the Reader definition window.

6. Your Reader Definition should look similar to the one below.

🖉 Reader Definition 🛛 💽
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD 300MS F-Protocol Reader
Notes
A
· · · · · · · · · · · · · · · · · · ·
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R
* Provides Access To Area
Off Site
* Reader Model
× Beader Tupe
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🔽 Keypad Reader 🔽 Degraded Mode 🗌 Auto Relock
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader
✓ Installed
Reinstall All Devices
😰 😳 Save and Close 🕞 Save and New 🔀 Close

7. Next, we need to associate the reader with an area. Please click in the field "Provides Access to Area", choose the area you want to install the reader into and then click the OK button.

8. For this example the default Off Site Area was chosen. Your Reader Definition window should look similar to the example below.

Reader Definition
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300MS F-Protocol Reader
Notes
A
· · · · · · · · · · · · · · · · · · ·
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R
* Provides Access To Area
Off Site
* Reader Model
× Beader Tupe
Standard Reader ··· Pedestrian ···
Antipassback Time (Minutes) Channel Number Reader Address
0 1 3 1 1
Reader Template
No Device
🗆 Keypad Reader 🛛 🔽 Degraded Mode 📄 Auto Relock
🔲 Guest Sign In Reader 🔲 Guest Sign Out Reader
Beinstall All Devices
2 Save and Close Save and New Close

9. Next, click in the field "Reader Model" and choose a F-series Protocol Device. In this example, I chose the AD300MS model.

		<u>Find Now</u>
Reader Model ID		Reader Model Description
	52	AD 300-993
	49	AD 300CY
	51	AD300MD
	50	AD300MS
	17	GRI - 1 RELAY
	18	GRI - 2 RELAY
	28	Schlage VIP Lock
	19	SRINX - 1 RELAY
	20	SRINX - 2 RELAY
	34	Wireless APM
	35	Wireless PIM

10. After your selection, your Reader Definition Window should look similar to the one below.

🜠 Reader Definition 📃 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300MS F-Protocol Reader
Notes
*
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R
* Provides Access To Area
AD300MS
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Beader Template
No Device
🗆 Keypad Reader 🔽 Degraded Mode 🗖 Auto Relock
🗖 Guest Sign In Reader 🔲 Guest Sign Out Reader
🔽 Installed
E Reinstall All Devices
😰 🛞 Save and Close 💽 Save and New 🗶 Close

11. Because there is no AD Series locks in SMS Versions below 5.3.5, you would need to choose a VIP lock instead to support the AD Series.

🖉 Reader Definition 📃 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300 Series Reader
Notes
A
* Attached To
Defining an RCNX16 as an SCRNX-R0
* Provides Access To Area
Off Site
* Reader Model
* Beader Tupe * Door Tupe
<pre> Click to Expand> </pre> Click to Expand>
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🗆 Keypad Reader 🔽 Degraded Mode 📄 Auto Relock
🔲 Guest Sign In Reader 📃 Guest Sign Out Reader
✓ Installed
Reinstall All Devices
🖾 😒 🔚 Save and Close 🛃 Save and New 🕺 K Close

12. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the reader and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

🖉 Reader Definition 🛛 💌
<u>File E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300MS F-Protocol Reader
Notes
A
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R
* Provides Access To Area
Off Site
* Reader Model
* Dest Ture
Standard Reader Pedestrian
Antinasshack Time (Minutes) Channel Number Beader Address
Reader Template
No Device
☐ Keypad Reader
🗖 Guest Sign In Reader 🔲 Guest Sign Out Reader
😰 🚳 🔚 Save and Close 📑 Save and New 🕺 🗶 Close

- 13. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 for F or SMS protocol devices or 3 for ONLY SMS protocol devices. In our example we are using Channel 2 using ONLY F protocol and like devices as you cannot mix different protocol and device types on a single channel.
- 14. In this example, this is the first reader on Channel 2 so we will assign Channel 2 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 2, Reader Address 2 and so on.
- 15. Your Reader Definition Window should look similar to the one below.

🧖 Reader Definition	×
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
AD300MS F-Protocol Reader	-
Notes	
	*
	Ŧ
*Attached To	
Defining an SRCNX16 Main w/expansion as an SRCNX-R	
* Provides Access To Area	
Off Site	
* Reader Model	
AD300MS	
* Header Type * Door Type	
Auforentealer Time (Minutes) - Channel Muniter	
Antipassback Time (Minutes) Channel Number Reader Address 0 1 1	
Reader Template	
No Device	
, Keypad Beader	
Cuest Sign In Basedar	
✓ Installed	
Reinstall All Devices	
😰 🚳 🔚 Save and Close 🛃 Save and New 🗶 Close	,

- 16. Next, we need to choose a reader template. You have the option of not choosing a template, however, we highly recommend you do as the reader templates will setup all the relays, contacts, etc. automatically for you for the reader you selected.
- 17. Click in the field that says "Reader Template". This will bring up the Device Template window.
 - a. Choose a device template and click the OK button. In this example the AD300MS Hard Wired Mortis Lock Set was chosen.

	Select a Device Template Type the text to find the closest match in the list and hit the Find Now button to filter the list. Eind Now			
	Device Template ID	Device Template Description	Device Template Notes	
	149	AD 300-993 Hard Wired Exit Trim	AD300-993 Lock allows entry into this door. Lock Handle Exit Request (Rt	
	159	AD300CY Hard Wired Cylindrical Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	169	AD300MD Hard Wired Mortise Deadbolt Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	179	AD300MS Hard Wired Mortise Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	96	AD400-993 Wireless Exit Trim	AD400-993 Lock allows entry into this door. Lock Handle Exit Request (RE	
	59	AD400CY Wireless Cylindrical Lockset	AD400CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	83	AD400MD Wireless Mortise Deadbolt Lockset	AD400MD Lock allows entry into this door. Lock Handle Exit Request (RE	
	71	AD400MS Wireless Mortise Lockset	AD400MS Lock allows entry into this door. Lock Handle Exit Request (RE	
	108	AD-WPR Wireless Portable Reader	AD-WPR Lock will activate Led for Card Access Status. Battery Status is f	
	0	No Device		
	113	PIM-485	The PIM-485 works in conjuction with several types of wireless peripherals	
	38 RINX - No REX & DOD		Reader allows entry into this door. No Exit Request (REX) or Door Status N	
	5	RINX - No REX with DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door ! 👻	
•			E	
✓ □K X □ancel				

18. When complete, your Reader Definition should look like the example below.

🧖 Reader Definition	×
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
AD300MS F-Protocol Reader	-
Notes	
	*
	-
* Attached To	
Defining an SRCNX16 Main w/expansion as an SRCNX-R	
* Provides Access To Area	
Off Site	
* Reader Model	
AD SUUMS	
Standard Beader	
Antipaschack Time (Minutes) Channel Number Reader Address	
	7
Beader Template	
AD300MS Hard Wired Mortise Lockset	
☐ Kevpad Reader	
Guest Sign In Reader	
😰 🔅 🔚 Save and Close 🛃 Rave and New 🗡 Clo)se

19. You can also make additional choices by checking off the check boxes should you need or decide to.

- 20. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
 - a. In 99% of the case, you will use the default values. Click the OK button and your Reader Definition is complete.

Template Choices
Choose what you want to duplicate
Contacts
✓ Relays
✓ Event Triggers
✓ Predefined and Manual Overrides
Automatic Overrides
Cancel

21. You will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

Sustem Manager				
File Edit View Help				
Áreas	Area Tree Area Sets Cardholder Categories Timezone Tree			
Area Access	Holiday Sets Hardware Map Callback Sets Site Code Sets Lockdown Tree			
Cardholders	Гама ь эн с <i>б</i> 🖉			
Timezones, Holidays and Lockdowns				
Hardware Map	CIM1 Network Port			
Edit Controllers	⊡Defining an SRCNX16 Main w/expansion as an SRCNX-R			
	SRUNX-H1 Contact number 1			
Edit Readers	AD300MS F-Protocol Reader - G0			
FRO	AD300MS F-Protocol Reader - Tamper Switch			
Edit Contacts	AD300MS F-Protocol Reader - Key Switch Monitor			
Edit Relays	AD300MS F-Protocol Reader - DUD			
	AD300MS F-Protocol Re - Lock Clutch Position			
CM Locks	CM LocksAD300MS F-Protocol Read - Low Lithium Battery			
Campus Locks	AD 300MS F-Protocol Reader - Deadbolt Position			
Campus Locks	+SMS Protocol SRINX-2 Relay Reader			
Site Codes and Callbacks				
All Areas Lardholders with Access to .	Area All Lardholders Timezone Intervals Cult Relays Lallback Numbers			
H 44 4 F FF FF + -	· ୯ 🛷 🎇 🚧 📰 🍄 🔕			
Device Relay	ion Controller or Reader Location			
41 AD300MS F-Protocol F	eader - GO AD300MS F-Protocol Reader Off Site 🗉			
35 SMS Protocol SRINX-2	Relay Reader - A SMS Protocol SRINX-2 Relay Reader Off Site			
34 SMS Protocol SRINX-2	Relay Reader - G SMS Protocol SRINX-2 Relay Reader Off Site			
	-			
•	•			
	Relays 3 Record(s) in Grid			

Attaching Devices to Channel 3

Now we will setup an SMS Protocol device on the second channel, channel 3. Remember that the SRCNX-R1 can ONLY have SMS Protocol devices attached to Channel 3.

In this example, we'll be setting up an SMS Protocol device, SRINX – 2 Relay Reader on Channel 3.

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Readers.

😥 System Manager			
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp			
1			
	L		V
Áreas		Area Sets Cardbolder Categorie	es 🕴 Timezone Tree
Area Access	Holiday Sets	ardware Map Callback Sets Site Co	de Sets Lockdown Tree
Cardhaldara			
		• • • • • • • • • • • • • • • • • • •	
Timezones, Holidays and Lockdowns			<u> </u>
Hardware Map	LIMI Net	vork Port og en SRCNV16 Mein w/evnension es en	SBONY-B
E dit Controllers 🔼	Denn	ig an offenen to main weekpansion as an	SHCHAH
Edit Readers	\mathcal{P}		
Edit Contacts			
Edit Relays 🖃			-
Site Codes and Callbacks			1
All Areas Cardholders with Access to	Area All Cardholder	s Timezone Intervals Edit Controllers	Callback Numbers
	- a 🛷 🐼 #		
		a :=	
Capacity Capacity Cap	iys At Device acity ID	Lontroller Description	I/O Port or N
	32	Defining an SRCNX16 Main w/expansion	CIM1 Network Port
			E
< □			
	Controllers 1 Rec	ord(s) in Grid	1

3. Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

🖉 Reader Definition 🛛 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
A
* Attached To
·
* Provides Access To Area
Off Site
* Reader Model
× Beader Tupe
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🔽 Keypad Reader 🛛 🔽 Degraded Mode 🕅 Auto Relock
🔲 Guest Sign In Reader 🔰 Guest Sign Out Reader
✓ Installed
Reinstall All Devices
Save and Close Save and New X Close

4. Give your Reader definition a description.

5. Next we need to attach the reader to the controller. Click in the field "Attach To" the Controller Selection window will open.

Description		
ra ra ト ト ト C 🎸 🎡 🏘		
Controller Tree Controllers		
Device ID Description	Parent Description	
32 Defining an SRCNX16 Main w/expansion as an SRCNX-R	CIM1 Network Port	
		Þ
	🗸 ок	X Cancel

- a. Select the controller you created earlier.
- b. Click the OK button. The Controller Selection window will close and return you to the Reader Definition window.

6. Your Reader Definition should look similar to the one below.

🥻 Reader Definition 📃	3		
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp			
* Description	1		
SMS Protocol SRINX-2 Relay Reader			
Notes			
*			
* Attached To			
Defining an SRCNX16 Main w/expansion as an SRCNX-R			
* Provides Access To Area			
Off Site			
* Reader Model			
× Deeder Ture			
Standard Reader Pedestrian			
Antinassback Time (Minutes) Channel Number Beader Address			
Reader Template			
No Device			
☐ Keypad Reader			
🔲 Guest Sign In Reader 🔲 Guest Sign Out Reader			
😰 🛞 🔚 Save and Close 📑 Save and New 🔀 Close			

- 7. Next, you need to associate the reader with an area. Click in the field "Provides Access to Area": a list of areas will open.
 - c. Choose the area you want to install the reader into.
 - d. Click the OK button.

8. In this example, the default Off Site Area was chosen . Your Reader Definition window should look similar to the example below.

🖉 Reader Definition 🛛 💽
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
A
•
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R
* Provides Access To Area
* Pooder Medel
*Reader Type *Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🗆 Keypad Reader 🔽 Degraded Mode 📄 Auto Relock
🗖 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader
✓ Installed
🗖 Reinstall All Devices
😰 🚳 🔚 Save and Close 🕞 Save and New 🗶 Close

Note: When you opened the Reader Definition window the Area already had a value. If you have configured a reader before, this field as well as some others (channel number, reader address, etc.) is remembered from your last selection. If the options from the previous reader are valid for the new reader, those values do not need to be altered.

9. Next, click in the field "Reader Model" and choose an SMS Protocol Device. In this example the SRINX – 2 Relay Reader was chosen.

Select a Reader Model	
Type the text to find the closest match	n in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Reader Model ID	Reader Model
52	AD300-993
49	AD300CY
51	AD300MD
50	AD300MS
17	GRI - 1 RELAY
18	GRI - 2 RELAY
28	Schlage VIP Lock
19	SRINX - 1 RELAY
20	SRINX - 2 RELAY
	-
	✓ <u>O</u> K X Cancel
11 item(s)	1.

10. After your selection, your Reader Definition Window should look similar to the one below.

🧭 Reader Definition	— ×
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
SMS Protocol SRINX-2 Relay Reader	
Notes	
	*
	-
* Attached To	
Defining an SRCNX16 Main w/expansion as an SRCNX-R	
* Provides Access To Area	
Off Site	
* Reader Model	
PRINK - 2 RELAT * Deer Ture	
Standard Reader Pedestrian	
Antinasshack Time (Minutes) Channel Number Reader Address	
	14
Reader Template	
No Device	
🔽 Keypad Reader 🔽 Degraded Mode 🗌 Auto Relock	
🔲 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader	
✓ Installed	
Beinstall All Devices	
😫 💮 🔚 Save and Close 📑 Save and New	🕻 Close

11. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

🧟 Reader Definition
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
*
-
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R
* Provides Access To Area
Off Site
* Reader Model
SRINX - 2 RELAY
* Reader Type * Door Type
No Device
□ Reypad Reader IV Degraded Mode □ Auto Relock
Luest Sign in Reader
✓ Installed
Reinstall All Devices
😰 🚳 🔚 Save and Close 📑 Save and New 🔀 Close

- 12. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. In our example we are using Channel 3 using ONLY SMS protocol and like devices as you can only have SMS Protocol devices on channel 3.
 - a. This is the first reader so we will assign Channel 3 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 3, Reader Address 2 and so on.
- 13. Your Reader Definition Window should look similar to the one below.

🖉 Reader Definition 🛛 💌				
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp				
* Description				
SMS Protocol SRINX-2 Relay Reader				
Notes				
A				
*Attached To				
Defining an SRCNX16 Main w/expansion as an SRCNX-R				
* Provides Access To Area				
Off Site				
* Reader Model				
SRINX - 2 RELAY				
Standard Beader				
Antinasshack Time (Minutes) Channel Number Beader Address				
Reader Template				
No Device				
☐ Keypad Reader				
Guest Sign In Reader Guest Sign Out Reader				
😰 🔅 Eave and Close E Save and New 🔀 Close				

14. Next, you need to choose a reader template. You have the option of not choosing a template, however, it is highly recommend that you do as the reader templates will setup all the relays, contacts, etc. automatically for the reader you selected.

15.	Click in the field that sa	vs "Reader Tem	plate" This will bri	ng up a list of te	mplate to choose from.
±0.	energine and the set	yo neader rem		ing up u not of te	

Type the text to find the closest match in the list and hit the Find Now button to filter the list.		
Device Template ID	Device Template Description	Device Template Notes
179	AD300MS Hard Wired Mortise Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE>
96	AD400-993 Wireless Exit Trim	AD400-993 Lock allows entry into this door. Lock Handle Exit Request (RE
59	AD400CY Wireless Cylindrical Lockset	AD400CY Lock allows entry into this door. Lock Handle Exit Request (RE>
83	AD400MD Wireless Mortise Deadbolt Lockset	AD400MD Lock allows entry into this door. Lock Handle Exit Request (RE
71	AD400MS Wireless Mortise Lockset	AD400MS Lock allows entry into this door. Lock Handle Exit Request (RE
108	AD-WPR Wireless Portable Reader	AD-WPR Lock will activate Led for Card Access Status. Battery Status is I
0	No Device	
113	PIM-485	The PIM-485 works in conjuction with several types of wireless peripherals
38	RINX - No REX & DOD	Reader allows entry into this door. No Exit Request (REX) or Door Status
5	RINX - No REX with DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door
32	RINX - No REX without DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door
48	RINX - REX with DOD Reporting/ADA Special Ac	c Reader allows entry for this door. Exit Request (REX) available, used for e
11	RINX - REX with DOD Trigger	Reader allows entry for this door. Exit Request (REX) available, used for e
		÷

- a. Select a reader Template. In this example, the RINX No REX without DOD Trigger template was chosen
- b. Click the OK button. The window will close.

16. When complete, your Reader Definition should look like the example below.

🖉 Reader Definition					
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp					
* Description	* Description				
SMS Protocol SRINX-2 Relay R	eader				
Notes					
	A				
* Attached To					
Defining an SRCNX16 Main w/e	expansion as an SRCNX-R				
* Provides Access To Area					
Off Site					
* Reader Model					
× Beader Tupe	× Deer Ture				
Standard Reader	··· Pedestrian ···				
Antipassback Time (Minutes) Cl	hannel Number Reader Address				
0 3	1 1				
Reader Template					
RINX - No REX without DOD Tr	igger				
🔽 Keypad Reader 🔽	Degraded Mode Auto Relock				
Guest Sign In Reader	Guest Sign Out Reader				
✓ Installed					
Beinstall All Devices					
😰 🚸 🖬 S	Save and Close 🛛 🛃 Save and New 🛛 🗶 Close				

17. You can also make additional choices by checking off the check boxes should you need or decide to.

- 18. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
 - e. In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.

Template Choices		
Choose what you want to duplicate		
Contacts		
🔽 Relays		
✓ Event Triggers		
Predefined and Manual Overrides		
✓ Automatic Overrides		
Cancel		

19. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

🖉 System Manager				
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>H</u> elp				
1				
X				
Areas	Area Tree Area Sets Cardholder Categorie	s Timezone Tree		
Area Access	Holiday Sets Hardware Map Callback Sets Site Coo	de Sets Lockdown Tree		
Cardholders	IC ((C) > > > C (* 5 🐼			
Timezones, Holidays and Lockdowns	Gete			
Hardware Map	CIM1 Network Port	_		
		SRCNX-R		
Edit Lontrollers 📥	SMS Protocol SRINX-2 Relay Reader			
Edit Boodoro	SMS Protocol SRINX-2 Relay Reader - G	GO		
	SMS Protocol SRINX-2 Relay Reader - A	Activate		
Edit Contacts				
	SMS Protocol SRINX-2 Relay Reader - L SMS Protocol SRINX-2 - Push Button O	UUU Iverride		
Edit Relays 🗖		venide ▼		
Site Codes and Callbacks		2		
All Areas Cardholders with Access to Area All Cardholders Timezone Intervals Edit Relays Callback Numbers				
	c 🛷 🖉 🚧 📰 🍪 📬			
Device Belau				
ID Descripti	on Controller or Reader	Location		
35 SMS Protocol SRINX-2	Relay Reader - A SMS Protocol SRINX-2 Relay Reader 0ff	if Site		
34 SMS Protocol SRINX-2	Relay Reader - G SMS Protocol SRINX-2 Relay Reader Off	if Site		
		=		
<		•		
, _	Relaus 2 Record(s) in Grid			
J	Thorays 2 mocord(s) in and	///		

Programming Contacts and Relays

An SRCNX-R1 can have up to 8 Contacts and Relays. Because we're using the SRCNX with Expansion controller setting to mimic a SRCNX-R1, the system will allow you to program more than the allotted contacts and relays. You must remember that you can only program the *first* 8 inputs for contacts and first 8 relays.

Follow the instructions below to set up a contact and relay.

- 1. To start Launch System Manager.
- 2. Select Hardware Map, and click on Edit Contacts.

🖉 System Manager					×
<u>File Edit View H</u> elp					
Areas	Area Tree	Area Sets Ca	rdholder Categorie:	s 📔 Timezone Tree	e
Area Access	Holiday Sets Hardware Map Callback Sets Site Code Sets Lockdown Tree				
Cardholders	10. (() > >> >> () ()				
Timezones, Holidays and Lockdowns	⊡⊷CIM1				
Hardware Map	📄 📄 🖂 CIM1 N	etwork Port			
Edit Controllers					
	SMS Protocol SRINX-2 Relay Reader				
Edit Readers CMS Protocol SRINX-2 Relay Reader - GU					
SMS Protocol SBINX-2 Relay Reader - Activate				votivate viliaru Input	
Edit Contacts SMS Protocol SRINX-2 Relay Reader - DOD					
SMS Protocol SRINX-2 - Push Button Override					
Edit Relays 🔛					-
Site Codes and Callbacks					2
All Areas Cardholders with Access to Area All Cardholders Timezone Intervals Edit Contacts Callback Numbers					
IA A F F F F F C 🔗 💥 🗛 🧱 🎆					
Device Conta ID Descrip	ct tion	Attached T Controller or R	o eader	Location	Â
38 SMS Protocol SRINX-	2 - Push Button Ov	SMS Protocol SRINX-2 R	elay Reader 👘 Off	f Site	Ξ
36 SMS Protocol SRINX-	2 Relay Read - Aux	SMS Protocol SRINX-2 R	elay Reader Off	f Site	
37 SMS Protocol SRINX-	2 Relay Reader - D	SMS Protocol SRINX-2 R	elay Reader Off	f Site	-
					+
Image: A label{eq:A				F	
	1				14
3. In the bottom section, click on the + button . This will bring up you Contact Definition form

🖉 Contact Definition		X
<u>F</u> ile Edit <u>S</u> earch <u>H</u> elp		
* Description		
SRCNX-R1 Contact number 1		
Notes		
		*
		+
* Attached to Which Controller	or Reader * Location	
	Off Site	
* Contact Type	* Associated I	Elevator Reader
REX		
Alarm Samples	Fault Samples	Parallel Resistor
2	16 🍾	0 🏄
Series Resistor	Debounce Period (Seconds)	Input Number
0	0	1
🔲 Verify Status	🔽 Normally Open	✓ Installed
2	Save and Close	and New 🔀 Close

4. In your Contact definition, give your Contact a description. (We recommend your description describes something about the new hardware so when looking at it later you can differentiate that this is the new version of controller.) In this example the contact description is: SRCNX-R1 Contact

- 5. Next we need to attach the contact to your controller. Click in the field called "Attached to Which Controller or Reader". This will bring up the Reader, Controller Selection window.
 - a. Click on the Controller Tab.

🥻 Reader, Controller Selection		
16 (4 6 F F F C 🧭 🎆 🚧		
Controller Tree Area Tree Controllers Readers		
Device ID Description	Parent Description	
32 Defining an SRCNX16 Main w/expansion as an SRCNX-R	CIM1 Network Port	
<		Þ
	ОК	🗙 Cancel

b. Select the previously defined controller and click the OK button. You will be returned to the Contact Definition window.

6. Your Contact definition should look similar to the one below.

Contact Definition			— ×
ile Edit <u>S</u> earch <u>H</u> elp			
* Description			
SRCNX-R1 Contact number	1		
Notes			
			*
			-
* Attached to Which Controlle	rorReader *Lo	ocation	
Defining an SRCNX16 Main	w/expansi Off	Site	
* Contact Type	<u>* A:</u>	sociated Elevator Reader	
REX			
Alarm Samples	Fault Samples	Parallel Resistor	
2	16	1	1/1
Series Resistor	Debounce Period (S	econds) Input Number	
0 🍾	0	1	1
🔲 Verify Status	🔽 Normally Open	✓ Installed	
21 3	Save and Close	Save and New	Close
			0,030

7. Next choose a location for your contact. Click in the field called "Location" and select a location from the list. In this example Off Site was chosen.

8. When complete you contact definition should look like the example below.

🖉 Contact Definition		—
<u>F</u> ile Edit <u>S</u> earch <u>H</u> elp		
* Description		
SRCNX-R1 Contact number 1		
Notes		
		*
		*
* Attached to Which Controller	or Reader * Location	
Derining an SRUNX 16 Main V	Vexpansi Urr Site	
* Contact Type	* Associated	Elevator Reader
	<u> </u>	
Alarm Samples	Fault Samples	Parallel Resistor
2 14	16	
Series Resistor	Debounce Period (Seconds)	Input Number
	0	
🔲 Verify Status	Normally Open	Installed
		1
	Save and Close	and New X Close

9. Next we need to define a Contact Type. Click in the field called: "Contact Type". The Select a Contact Type window will open.

🖉 Select a Contact Type	
Type the text to find the closest match	n in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Contact Type ID	Contact Type
14	Low Temperature
15	Bypass
16	Override
17	Panel in Alarm
18	Water Detector
19	UPS Trouble
20	Hold Up
21	General Purpose
22	Motor Status
23	Lock Clutch Position
24	Deadbolt Position
25	Low Lithium Battery
26	Interior Push Button 🗸 🗸
Image: A label{eq:A	•
	OK
26 item(s)	

10. Choose a contact type and click the OK button. The window will close. In this example an Interior Push Button was chosen.

NOTE: The contact being configured is NOT attached to a reader, as such REX or DOD will not be normally chosen as a contact type.

11. Now we need to define an Input Number.

NOTE: You can ONLY choose an input number between 1 through 8. In the SMS Software, even though you can choose an input number greater than 8, if you do, the contact will NOT work. Remember, we are configuring an SRCNX-16 as an SRCNX-R1 panel. The SRCNX-R1 panel only allows for up to 8 contacts.

12. In this example the input number is set to 1. However, just because this is the first contact being programmed, any input number may be chosen (1-8), as long as the programming matches the physical contact number on the controller.

13. Your Contact definition should look similar to the one below.

🖉 Contact Definition		×
<u>F</u> ile Edit <u>S</u> earch <u>H</u> elp		
* Description		
SRCNX-R1 Contact number 1		
Notes		
		A
		Ψ
* Attached to Which Controller	or Reader * Location	
Defining an SRCNX16 Main w	//expansi Off Site	
* Contact Tupe	× Associated	Elevator Beader
Interior Push Button	Associated	
Alarm Samples	Fault Samples	Parallel Resistor
2 🍾	16 🏒	0 🍾
Series Resistor	Debounce Period (Seconds)	Input Number
0 14	0 1	
Verify Status	Normally Open	Installed
😰 🔅 📃	Save and Close 🛛 🛃 Save a	and New 🛛 🗶 Close

- 14. Define other contact parameters.
 - a. Set Alarm Samples to 1.

NOTE: We recommend that the Alarm Samples be set to 1 in the beginning and if you receive false contact point reporting, return this value back to 2 as displayed.

- b. If you need to change any of the other options for your contact (Resistors values or Normally Open or Closed) make the necessary selections.
- c. Once complete, click the Save and Close button. You will be returned to System Manager.

15. Once you are back in System Manager, if you expand your hardware map and click the + sign under your SRCNX-16 controller, you will see your defined contact. Your window should look similar to the one below.

🖉 System Manager				×
<u>File E</u> dit <u>V</u> iew <u>H</u> elp				
1				
Y				
Áreas	Area Tree	Area Sets Cardbolder Catego	ories I Timezone Tre	
	Holiday Sets	Hardware Map Callback Sets Site	Code Sets Lockdown 1	ree
Cardholders				- 'I
Timezones Holidaus and Lockdowns		Goto		
Hardware Man	EPUMI ÉUCIMI N	etwork Port		-
Пагимаге мар	Et-Def	ining an SBCNX16 Main w/expansion as	an SRCNX-R	
Edit Controllers 🗾		SRCNX-R1 Contact number 1		
		SMS Protocol SRINX-2 Relay Reader		
Edit Readers				
Edit Contacts				
Edit Contacts				
Edit Relays 🗖				
Site Codes and Callbacks				
	, Line ri	Later Cartage		
All Areas Cardholders with Access to A	rea All Cardhold	ders Timezone Intervals Edit Contacts	Callback Numbers	
<u> </u>	৫ 🎸 🛞	M 📰 🍪 🗃		
Device Contac ID Descripti	t ion	Attached To Controller or Reader	Location	•
38 SMS Protocol SRINX-2	- Push Button Ov	SMS Protocol SRINX-2 Relay Reader	Off Site	-
36 SMS Protocol SRINX-2	Relay Read - Aux	SMS Protocol SRINX-2 Relay Reader	Off Site	
37 SMS Protocol SRINX-2	Relay Reader - D	SMS Protocol SRINX-2 Relay Reader	Off Site	Ξ
39 SRCNX-R1 Contact nur	mber 1	Defining an SRCNX16 Main w/expansion	Off Site	
				T
			, , , , , , , , , , , , , , , , , , ,	
	Contacts 4 Red	cord(s) in Grid		1

- 16. Your contact definition is finished. Repeat the instructions for any additional contacts then move on to the next step to program relays.
- 17. Program a relay -- As far are programming Relays are concerned it is the same process as programming a contact. The only difference is that instead of choosing an input number (step 11 above) you will choose a relay number. Remember you MUST only program relays on relay numbers 1 through 8. If you program a relay as relay 9, the relay will not function.

SRCNX-R2

The SRCNX-R2 will be defined as an SRCNX-16 with expansion. The SRCNX-R2 can support up to 16 contacts and 16 relays. It can support up to 8 devices of the same protocol per channel and has two channels (channel 2 and channel 3) for a total of 16 devices. F-series and SMS protocol devices cannot be put on the *same channel*. Channel 2 can have either F-series OR SMS protocol devices while **Channel 3 can ONLY have SMS protocol devices**.

The SRCNX-R2 consists of an SRCNX-R with two SIONX-8 controller wired to Channel 3 *jumpered as physical address 15 for the first SIONX-8 and address 16 for the second SIONX-8*. In the SMS software there is NO NEED to program either of the SIONX-8 boards as the SRCNX-R2 is treated as an SRCNX-16 Main with Expansion. The expansion version of the controllers will allow your software to work with the onboard SIONX-8 boards that have been installed on the SRCNX-R2 hardware.

If you are using a version of SMS that has the SRCNX-16 with expansion or SRCNX-16 Main with expansion <u>and</u> GRCNX-16 with expansion as options, choose the SRCNX-16 with expansion or SRCNX- 16 Main with expansion.

If you have a version of SMS that <u>only</u> has a GRCNX-16 with expansion as an option, then choose the GRCNX-16 with expansion.

Programming a SRCNX-R2 as a Controller

Follow the instructions below to set up your SRCNX-R2 as a Controller:

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Controllers.

🔏 System Manager				
File Edit View Help				
]				
<u> </u>	Area Tree	Area Sata	an Ì Timazana Tran Ì Halida	
	Hardware Ma	P Callback Sets	Site Code Sets Cockdown 1	ree
Cardholders		N N N A 🖉 🖉		1
Timezones, Holidays and Lockdowns		Goto		
Hardware Map	CIM1 Netv	vork Port		
Edit CIM Ports				
Edit Controllers				
E dit Beaders				
Edit Contacts				
Site Codes and Calibacks	<u> </u>	1		
All Areas Cardholders with Access to	Area All Cardholder: -	s Timezone Intervals Edit Controllers 	Site Codes	
	- ୯ 🛷 😪 🏘			
Channel At Contacts At Rela	ys At Device	Controller	Attached To	<u>^</u>
		Description		-
				Ξ
				-
•				- F

3. In the bottom section, click on the + button. This will bring up Controller Definition.

🖉 Controller Definition	×
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an SRCNX16 Main w/expansion as	s an SRCNX-R2
Notes	
	A
* Attached To I/O Port or Master	Location
	Off Site
* Controller Model	Callback Set
	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone	
[GMT-05:00] Eastern Time (0.5 & Canada)	
IP Address or Host Name	3001 🚺 Encrypted
Phone Number	Master Channel Board Address
	N/A 💌 N/A 💌
Schedule Timezone	Network Device Type
Never	
Administrative Level Password	Access Level Password
Domain Suffix	
✓ Installed	
Reinstall All Devices	
😰 Save and Cl	ose 🖓 Save and New 🗶 Close

- 4. In your controller definition, give your controller a description.
 - You may want to include the new version controller type: **SRCNX-R2** in the description or in the notes to help you designate that this controller is the new style.
- 5. Next, we are assuming you already have a CIM and Networked CIM Port defined. You will attach the SRCNX-R to this CIM Port.
 - a. Click in the field called: "Attached to I/O Port or Master". The Controller, CIM Port Selection window will open.

Controller, CIM Port Selection	
TC (C C F F F F C 🔗 🚱 🛤	
Controller Tree CIM Ports Controllers	
Device ID Description	Parent Description
▲ 3 CIM1 Network Port	CIM1
	۲.
	🗸 OK 🛛 🗶 Cancel

- b. Click the "CIM Ports" tab and select the CIM port you want to attach your Controller to. (Above example is using the CIM Port: CIM1 Network Port)
- c. Click OK. The window will close and return you to the Controller Definition window.

6. When complete you controller definition window should look similar to the one below.

Ø Controller Definition	
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description Defining an SRCNX16 Main w/expansion as a	n SRCNX-R2
Notes	
	*
* Attached To I/O Port or Master	Location Off Site
* Controller Model	Callback Set
Site Code Set No defined site codes	Holiday Set No defined holidays
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada)	
IP Address or Host Name	IP Port Number 3001
Phone Number	Master Channel Board Address
Schedule Timezone	Network Device Type <click expand="" to=""></click>
Administrative Level Password	Access Level Password
Domain Suffix	
Installed	
Reinstall All Devices	
Save and Close	e 🖓 Save and New 🗶 Close

- 7. Next, choose the Location of the board, by clicking in the field that says "Location".
 - a. Select your location from the list shown.
 - b. Click the OK button.

- 8. Next, click in the field that says "Controller Model". This will bring up a hardware list showing you all the types of controllers that can be selected. However, because the SRCNX-R2 is not in the list, we can use the existing hardware selections to setup the SRCNX-R2 properly.
 - a. In the list, select the controller that says: "SRCNX-16 Main w/Expansion" (You may also have the GRCNX-16 w/expansion controller for one of you choices, that option is acceptable).
 - b. Click the OK button.

🖉 Select a Controller Model	
Type the text to find the closest match	n in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Controller Model ID	Controller Model
12	GRCNX-2
64	SRCNX-16 Main
▶ <u>65</u>	SRCNX-16 Main w/Expansion
61	SRCNX-2 Main
66	SRCNX-2 Main w/Expansion
62	SRUNX-8 Main
- 63	SRUNX-8 Main W/Expansion
40	SSRC Single Door Controller
46	SSRC-400
	-
	P.
	✓ <u>D</u> K ∑ancel
10 item(s)	li.

9. Once you have selected your controller, your Controller Definition window should have the same controller model shown in the example below.

🖉 Controller Definition	—X —
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Description	n SBCNX-B2
Notes	
Notes	
	-
* Attached To I/O Port or Master	Location
CIM1 Network Port	Off Site
* Controller Model	Callback Set
SRCNX-16 Main w/Expansion	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone	
IGMT-00:00 Eastern Time (05 & Canada)	
IP Address or Host Name	3001 The Encrypted
Phone Number	Master Channel Board Address
	N/A 💌 N/A 💌
Schedule Timezone	Network Device Type
Never	<click expand="" to=""></click>
Administrative Level Password	Access Level Password
Domain Suffix	
✓ Installed	
Reinstall All Devices	
😰 🛛 📓 Save and Close	e 🔚 Save and New 🕺 🗶 Close

- 10. You can ignore the "Callback Set" field set as this is for dialup controller.
- 11. For the "Site Code Field", click in the field and select your predefined Side Code Set, if you have setup this option previously.
- 12. For the "Holiday Set" field, click in the field and select your predefined Holiday Set, if you have setup this option previously.

- 13. For the "Local Timezone" Field, Click in the field and select the Time Zone this controller is or will be located in. In the above example Eastern Standard Time was chosen.
- 14. In the "IP address or Host Name" field, type in the IP address of your controller. Your controller's IP configuration should have been setup before hand.
 - a. In the below image, the controller's IP address is: 10. 45.50.155. Your controller definition should look similar to the example below though your IP address will be different.

Controller Definition	×
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an SRCNX16 Main w/expansion as	an SRCNX-R2
Notes	
* Attached To I/O Port or Master	Location
* Controller Model	Callback Set
SRCNX-16 Main w/Expansion ····	No callback numbers
Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone (GMT-05:00) Eastern Time (US & Canada)	
IP Address or Host Name 10.45.51.155	IP Port Number 3001 🚺 🗖 Encrypted
Phone Number	Master Channel Board Address
Schedule Timezone	Network Device Type
Never	<click expand="" to=""></click>
Administrative Level Password	Access Level Password
Derusia Coffic	I
✓ Installed	
🗖 Reinstall All Devices	
2 Save and Clos	e 🛃 Save and New 🗶 Close

- 15. The "IP Port number" is the TCP Network Port that the SRCNX-R2 controller uses to communicate with the CIM across the network. Unless directed, you should not change this setting.
- 16. You can ignore the "Phone Number" field as this is for dial up controllers only.
- 17. Next, click in the "Network Device Type" field. In the selection list, choose the Schlage SPINX100 network device. Your Controller Definition should look similar to the one below.

🖉 Controller Definition	
<u>F</u> ile <u>S</u> earch <u>H</u> elp	
* Description	
Defining an SRCNX16 Main w/expansion as a	an SRCNX-R2
Notes	· · · · · · · · · · · · · · · · · · ·
	A
	T
* Attached To I/O Port or Master	Location
* Controller Model	Callback Set
SRCNX-16 Main w/Expansion	No callback numbers
, Site Code Set	Holiday Set
No defined site codes	No defined holidays
* Locale Timezone	
(GMT-05:00) Eastern Time (US & Canada)	
IP Address or Host Name	IP Port Number
Dhave Number	Soot Encrypted
Schedule Timezone	
Never	Schlage SIPNX100
Administrative Level Password	Access Level Password
Domain Suffix	
1	
✓ Installed	
Reinstall All Devices	
🖳 Save and Clos	e 🔚 Save and New 🗡 Close

18. Lastly, if this controller is installed, and placed on the network, make sure the "Installed" checkbox is checked. If the Panel is not physically installed on the network, you can pre-

configure your controller in SMS, and *uncheck* the Installed checkbox. This way, SMS will not be 'looking' for it until it is ready.

- 19. Click the Save and Close button.
- 20. You will now be back in the System Manger Window. If you expand the hardware map tree, you window should look similar to the one below.



Attaching Devices to a SRCNX-R2

Now we must setup devices on the two available channels. You can setup up to 8 devices of the same protocol on channel 2 and 8 devices of SMS protocol ONLY on Channel 3. In the following pages, we will show you how to setup devices on SMS V5.3.5. Additional instructions for V5.3.4 and below will be given in **bold** text in line with the v5.3.5 instructions.

Attaching Devices to Channel 2

In the next set of instructions, continuing with this controller, we will configure an F Protocol device on Channel 2.

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Readers.



3. Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

🖉 Reader Definition	×
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
AD300MS F-Protocol Reader	-
Notes	
	~
	Ŧ
* Attached To	
	-
* Provides Access To Area	
	-
* Reader Model	
Keader Type × Door Type	
Standard Reader Pedestrian	
Antipassback Time (Minutes) Channel Number Reader Address	
Reader Template	
No Device	
🔽 Keypad Reader 🔽 Degraded Mode 🔲 Auto Relock	
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader	
✓ Installed	
🗖 Reinstall All Devices	
😰 🛞 🔚 Save and Close 📑 Save and New 🗶 Close	

4. Give your Reader definition a description.

5. Next we need to attach the reader to a controller. Click in the field "Attach To", the Controller Selection window will open.

🥻 Controller Selection		
ra ka a 🕨 🕨 🛏 😋 🏈 🎆 👪		
Controller Tree Controllers		
Device ID Description	Parent Description	
50 Defining an SRCNX16 Main w/expansion as an SRCNX-R2	CIM1 Network Port	
•		Þ
	ОК	🗙 Cancel

a. Select the controller you created earlier and then click the OK button. You will be returned to the Reader definition window.

6. Your Reader Definition should look similar to the one below.

🖉 Reader Definition 🧮
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300MS F-Procotol Reader
Notes
*
·
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2
* Provides Access To Area
Off Site
* Reader Model
* Deer Ture
Standard Reader ··· Pedestrian ···
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🔽 Keypad Reader 🔽 Degraded Mode 🗌 Auto Relock
🗖 Guest Sign In Reader 🗧 Guest Sign Out Reader
😰 🐵 🔚 Save and Close 📑 Save and New 🗶 Close

7. Next, we need to associate the reader with an area. Please click in the field "Provides Access to Area", choose the area you want to install the reader into and then click the OK button.

8. For this example the default Off Site Area was chosen. Your Reader Definition window should look similar to the example below.

🖉 Reader Definition 🛛 💽
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300MS F-Procotol Reader
Notes
A
· · · · · · · · · · · · · · · · · · ·
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2
* Provides Access To Area
Off Site
* Reader Model
× Dass Ture
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Beader Address
Reader Template
No Device
☐ Keypad Reader
🗖 Guest Sign In Reader 🔲 Guest Sign Out Reader
Beinstell All Devices
😰 🛞 🔚 Save and Close 📑 Save and New 🔀 Close

9. Next, click in the field "Reader Model" and choose a F-series Protocol Device. In this example, I chose the AD300MS model.

	<u></u> Eind Now
Reader Model ID	Reader Model Description
5	2 AD 300-993
4	9 AD 300CY
5	1 AD300MD
5	0 AD300MS
1	7 GRI - 1 RELAY
1	8 GRI - 2 RELAY
 2	8 Schlage VIP Lock
 1	9 SRINX - 1 RELAY
 2	0 SRINX - 2 RELAY
 3	4 Wireless APM
3	5 Wireless PIM

10. After your selection, your Reader Definition Window should look similar to the one below.

🜠 Reader Definition 🧰	3
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	7
AD300MS F-Procotol Reader	
Notes	
·	
* Attached To	
Defining an SRCNX16 Main w/expansion as an SRCNX-R2	
* Provides Access To Area	
* Reader Medel	
AD 300MS	
* Reader Type * Door Type	
Standard Reader Pedestrian	
Antipassback Time (Minutes) Channel Number Reader Address	
Reader Template	
No Device	
🗆 Keypad Reader 🔽 Degraded Mode 📄 Auto Relock	
🗖 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader	
✓ Installed	
🗖 Reinstall All Devices	
😰 🚳 🔚 Save and Close 📑 Save and New 🗶 Close	

11. Because there is no AD Series locks in SMS Versions below 5.3.5, you would need to choose a VIP lock instead to support the AD Series.

🖉 Reader Definition 🧮	x
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	ן ר
AD300 Series Reader	
Notes	
A	
-	
* Attached To	
Defining an RCNX16 as an SCRNX-R0	
* Provides Access To Area	
Off Site	
* Reader Model	
Schlage VIP Lock	
Keader Type XDoor Type XClick to Expand	
Antipassback Time (Minutes) Channel Number Reader Address	
No Device	
□ Keypad Reader □ Degraded Mode □ Auto Relock	
Guest Sign In Reader Cuest Sign Out Reader	
✓ Installed	
E Reinstall All Devices	
😰 🚳 🔚 Save and Close 📑 Save and New 🔀 Close	

12. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the reader and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

Reader Definition
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD 300MS F-Procotol Reader
Notes
A
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2
* Provides Access To Area
Off Site
* Reader Model
AD300MS
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
Keypad Reader Degraded Mode Auto Relock
🔲 Guest Sign In Reader 👘 Guest Sign Out Reader
Installed
🔲 Reinstall All Devices
Save and Close 🛃 Save and New 🕺 K Close

- 13. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 for F or SMS protocol devices or 3 for ONLY SMS protocol devices. In our example we are using Channel 2 using ONLY F protocol and like devices as you cannot mix different protocol and device types on a single channel.
- 14. In this example, this is the first reader on Channel 2 so we will assign Channel 2 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 2, Reader Address 2 and so on.
- 15. Your Reader Definition Window should look similar to the one below.

🖉 Reader Definition 🛛 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
AD300MS E-Procotol Beader
Notes
_
× Augusta J Ta
* Attached To
Provides Access To Area
* Beader Model
AD300MS
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
Keupad Beader Vegraded Mode Auto Belock
Reinstall All Devices
😰 🚳 🔚 Save and Close 🛃 Save and New 🗙 Close

- 16. Next, we need to choose a reader template. You have the option of not choosing a template, however, we highly recommend you do as the reader templates will setup all the relays, contacts, etc. automatically for you for the reader you selected.
- 17. Click in the field that says "Reader Template". This will bring up the Device Template window.
 - a. Choose a device template and click the OK button. In this example the AD300MS Hard Wired Mortis Lock Set was chosen.

	Select a Device Template Type the text to find the closest match in the list and hit the Find Now button to filter the list. Find Now			
	Device Template ID	Device Template Description	Device Template Notes	
	149	AD 300-993 Hard Wired Exit Trim	AD300-993 Lock allows entry into this door. Lock Handle Exit Request (Rt	
	159	AD300CY Hard Wired Cylindrical Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	169	AD300MD Hard Wired Mortise Deadbolt Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	179	AD300MS Hard Wired Mortise Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	96	AD400-993 Wireless Exit Trim	AD400-993 Lock allows entry into this door. Lock Handle Exit Request (RE	
	59	AD400CY Wireless Cylindrical Lockset	AD400CY Lock allows entry into this door. Lock Handle Exit Request (RE)	
	83	AD400MD Wireless Mortise Deadbolt Lockset	AD400MD Lock allows entry into this door. Lock Handle Exit Request (RE	
	71	AD400MS Wireless Mortise Lockset	AD400MS Lock allows entry into this door. Lock Handle Exit Request (RE	
	108	AD-WPR Wireless Portable Reader	AD-WPR Lock will activate Led for Card Access Status. Battery Status is f	
	0	No Device		
	113	PIM-485	The PIM-485 works in conjuction with several types of wireless peripherals	
	38	RINX - No REX & DOD	Reader allows entry into this door. No Exit Request (REX) or Door Status N	
	5	RINX - No REX with DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door ! 👻	
•			E	
29	item(s)		QKCancel	

18. When complete, your Reader Definition should look like the example below.

💋 Reader Definition				— ×-
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp				
* Description				
AD300MS F-Procotol Reader				
Notes				
				*
				Ŧ
* Attached To				
Defining an SRCNX16 Main	w/expansion as ar	h SRCNX-R2	!	
* Provides Access To Area				
* Header Model				
* Beader Tune		× Door Tupe		
Standard Reader		Pedestrian		
Antipassback Time (Minutes)	Channel Number	,	Reader Address	
0 1	2	1	1	14
Reader Template				
D300MS Hard Wired Mortis	e Lockset			
🗖 Keypad Reader	🔽 Degraded M	ode	Auto Relock	<
🔲 Guest Sign In Reader	🔲 Guest Sign ()ut Reader		
✓ Installed				
Beinstall All Devices				
		1		
4 ·	Save and Close	🛛 🕞 Sav	e and New	🗙 Close

19. You can also make additional choices by checking off the check boxes should you need or decide to.

- 20. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
 - a. In 99% of the case, you will use the default values. Click the OK button and your Reader Definition is complete.

Template Choices		
Chappe what you want to duplicate		
IV Helays		
Event I riggers		
Predefined and Manual Uverrides		
Automatic Overrides		
Cancel		

21. You will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

Cardholder Categories Timezone Tree allback Sets Site Code Sets Lockdown Tree S Set
allback Sets Site Code Sets Lockdown Tree
Coto
<u>_</u>
n w/expansion as an SBCNX-B2
imber 1
Reader
tol Reader - GO
tol Reader - Tamper Switch
tol Reader - Key Switch Monitor
tol Reader - REX
tol Re - Lock Clutch Position
tol Read - Low Lithium Battery
tol Reader - Deadbolt Position
tol Re - Interior Push Button
• Heidy Headel
2
le Edit Beaders Callback Numbers
Reader A
Reader Type

Attaching Devices to Channel 3

Now we will setup an SMS Protocol device on the second channel, channel 3. Remember that the SRCNX-R2 can ONLY have SMS Protocol devices attached to Channel 3.

In this example, we'll be setting up an SMS Protocol device, SRINX – 2 Relay Reader on Channel 3.

- 1. To start, Launch and log into SMS and start System Manager.
- 2. Select Hardware Map, and click on Edit Readers.

🖉 System Manager	
File Edit View Help	
X	- <u>×</u>
Areas	Area Tree Area Sets Cardholder Categories Timezone Tree
Area Access	Holiday Sets Hardware Map Callback Sets Site Code Sets Lockdown Tree
Cardholders	H4 44 4 F F F C 🔗 🗞
Timezones, Holidays and Lockdowns	∃CIM1
Hardware Map	CIM1 Network Port
E dit Controllers 📃	Uptining an SRUNX16 Main w/expansion as an SRUNX-R2
Edit Readers	
Edit Contacts	
Edit Relays	
CM Locks	
Campus Locks	
Site Codes and Callbacks	
All Areas Cardholders with Access to A	srea All Cardholders Timezone Intervals Edit Controllers Callback Numbers
IA 44 A F FF FF + -	ሮ 🍼 😭 🚧 📰
Channel At Contacts At Relay	s At Device Controller Attached
	50 Defining an SBCNX16 Main w/expansion CIM1 Network Port
•	b.
	Controllers 1 Record(s) in Grid

3. Next, in the lower section of System Manger, click the + button . This will bring up your reader definition window.

🧟 Reader Definition 📃 💌		
<u>File Edit Search H</u> elp		
* Description		
SMS Protocol SRINX-2 Relay Reader		
Notes		
A		
· · · · · · · · · · · · · · · · · · ·		
* Attached To		
* Provides Access To Area		
Off Site		
* Reader Model		
* Reader Type * Door Type		
Antinassback Time (Minutes) Channel Number Reader Address		
Reader Template		
No Device		
Keynad Beader E Degraded Mode Auto Belock		
Guest Sign In Reader Guest Sign Out Reader		
😰 🚸 🔚 Save and Close 📑 Save and New 🔀 Close		

4. Give your Reader definition a description.

5. Next we need to attach the reader to the controller. Click in the field "Attach To" the Controller Selection window will open.

Controller Selection		- • •
IG KA G 🕨 🕨 🕨 🥙 🎸 🎆 👪		
Controller Tree Controllers		
Device ID Description	Parent Description	
50 Defining an SRCNX16 Main w/expansion as an SRCNX-R2	CIM1 Network Port	
		Þ.
	🗸 ок	X Cancel

- a. Select the controller you created earlier.
- b. Click the OK button. The Controller Selection window will close and return you to the Reader Definition window.

6. Your Reader Definition should look similar to the one below.

🖉 Reader Definition 🛛 💌			
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp			
* Description			
SMS Protocol SBINX-2 Belau Beader			
Notes			
× Attached To			
Defining an SRCNX16 Main w/expansion as an SRCNX-R2			
* Provides Access To Area			
Off Site			
* Reader Model			
* Reader Type * Door Type			
Standard Reader Pedestrian			
Antipassback Time (Minutes) Channel Number Reader Address			
Reader Template			
No Device			
🔽 Keypad Reader 🔽 Degraded Mode 🗖 Auto Relock			
🔲 Guest Sign In Reader 👘 Guest Sign Out Reader			
✓ Installed			
Reinstall All Devices			
😰 💮 Save and Close 📑 Save and New 🔀 Close			

- 7. Next, you need to associate the reader with an area. Click in the field "Provides Access to Area": a list of areas will open.
 - a. Choose the area you want to install the reader into.
 - b. Click the OK button.

8. In this example, the default Off Site Area was chosen . Your Reader Definition window should look similar to the example below.

🖉 Reader Definition 🛛 💌			
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp			
* Description			
SMS Protocol SRINX-2 Relay Reader			
Notes			
A			
* Attached To			
Defining an SRCNX16 Main w/expansion as an SRCNX-R2			
* Provides Access To Area			
* Reader Type * Door Type			
Standard Reader Pedestrian			
Antipassback Time (Minutes) Channel Number Reader Address			
Reader Template			
No Device			
🔽 Keypad Reader 🔽 Degraded Mode 🔽 Auto Relock			
🔲 Guest Sign In Reader 👘 Guest Sign Out Reader			
✓ Installed			
🔲 Reinstall All Devices			
😰 🚳 🔚 Save and Close 📑 Save and New 🗶 Close			

Note: When you opened the Reader Definition window the Area already had a value. If you have configured a reader before, this field as well as some others (channel number, reader address, etc.) is remembered from your last selection. If the options from the previous reader are valid for the new reader, those values do not need to be altered.

9. Next, click in the field "Reader Model" and choose an SMS Protocol Device. In this example the SRINX – 2 Relay Reader was chosen.

Select a Reader Model	
Type the text to find the closest match	n in the list and hit the Find Now button to filter the list. <u>F</u> ind Now
Reader Model ID	Reader Model
52	AD300-993
49	AD300CY
51	AD300MD
50	AD300MS
17	GRI - 1 RELAY
18	GRI - 2 RELAY
28	Schlage VIP Lock
19	SRINX - 1 RELAY
20	SRINX - 2 RELAY
	-
	✓ <u>O</u> K X Cancel
11 item(s)	1.
10. After your selection, your Reader Definition Window should look similar to the one below.

🜠 Reader Definition 📃 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2
* Provides Access To Area
* Roader Medel
SRINX - 2 RELAY ····
* Reader Type * Door Type
Antipassback Time (Minutes) Channel Number Beader Address
Reader Template
No Device
🗆 Keypad Reader 🔽 Degraded Mode 🖂 Auto Relock
🗖 Guest Sign In Reader 🛛 🗖 Guest Sign Out Reader
✓ Installed
Reinstall All Devices
😰 🛞 Save and Close 💽 Save and New 🗶 Close

11. Next, we need to choose a reader and door type. Click in the appropriate fields and choose the read and door types from the lists. In this example, a Standard Reader and Pedestrian door type were chosen. Your Reader Definition window should look similar to the one below.

🖉 Reader Definition 🗧	x
<u>File E</u> dit <u>S</u> earch <u>H</u> elp	
* Description	
SMS Protocol SRINX-2 Relay Reader	r .
Notes	
A	
-	
* Attached To	
Defining an SRCNX16 Main w/expansion as an SRCNX-R2	
* Provides Access To Area	
Off Site	
* Reader Model	1
* Reader Tupe	1
Standard Reader Pedestrian	1
Antipassback Time (Minutes) Channel Number Beader Address	1
Reader Template	
No Device	
└── Keypad Reader	
🗖 Guest Sign In Reader 🔲 Guest Sign Out Reader	
😰 🚳 🔚 Save and Close 🛃 Save and New 🗡 Close	

- 12. Next we need to choose a Channel and reader address number. Remember, you can have up to eight devices on each channel for a total of 16. You *must* choose Channel 2 or 3. In our example we are using Channel 3 using ONLY SMS protocol and like devices as you can only have SMS Protocol devices on channel 3.
 - a. This is the first reader so we will assign Channel 3 with a Reader Address of 1 to our reader. If you are installing more readers on this channel, the next reader would be defined as Channel 3, Reader Address 2 and so on.
- 13. Your Reader Definition Window should look similar to the one below.

🧟 Reader Definition 🛛 💌
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SBINX-2 Belav Beader
Notes
× Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2
* Provides Access To Area
Off Site
* Reader Model
SRINX - 2 RELAY
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
No Device
🗌 Keypad Reader 🔽 Degraded Mode 📄 Auto Relock
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader
Installed
Reinstall All Devices
😰 💮 Save and Close 🔚 Save and New 🗡 Close

14. Next, you need to choose a reader template. You have the option of not choosing a template, however, it is highly recommend that you do as the reader templates will setup all the relays, contacts, etc. automatically for the reader you selected.

15.	Click in the field that sa	vs "Reader Tem	plate" This will bri	ng up a list of te	mplate to choose from.
±0.	energine and the set	yo neader rem		ing up u not of te	

Select a Device Template				
Device Template ID	Device Template Description	Device Template A Notes		
179	AD300MS Hard Wired Mortise Lockset	AD300CY Lock allows entry into this door. Lock Handle Exit Request (RE>		
96	AD400-993 Wireless Exit Trim	AD400-993 Lock allows entry into this door. Lock Handle Exit Request (RE		
59	AD400CY Wireless Cylindrical Lockset	AD400CY Lock allows entry into this door. Lock Handle Exit Request (RE)		
83	AD400MD Wireless Mortise Deadbolt Lockset	AD400MD Lock allows entry into this door. Lock Handle Exit Request (RE		
71	AD400MS Wireless Mortise Lockset	AD400MS Lock allows entry into this door. Lock Handle Exit Request (RE		
108	AD-WPR Wireless Portable Reader	AD-WPR Lock will activate Led for Card Access Status. Battery Status is t		
0	No Device			
113	PIM-485	The PIM-485 works in conjuction with several types of wireless peripherals		
38	RINX - No REX & DOD	Reader allows entry into this door. No Exit Request (REX) or Door Status N		
5	RINX - No REX with DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door		
32	RINX - No REX without DOD Trigger	Reader allows entry into this door. No Exit Request (REX) available. Door		
48	RINX - REX with DOD Reporting/ADA Special Ac	c Reader allows entry for this door. Exit Request (REX) available, used for ex-		
11	RINX - REX with DOD Trigger	Reader allows entry for this door. Exit Request (REX) available, used for eve		
•		۹. ا		
		✓ <u>□</u> K <u>C</u> ancel		
9 item(s)				

- a. Select a reader Template. In this example, the RINX No REX without DOD Trigger template was chosen
- b. Click the OK button. The window will close.

16. When complete, your Reader Definition should look like the example below.

🖉 Reader Definition 🧮
<u>F</u> ile <u>E</u> dit <u>S</u> earch <u>H</u> elp
* Description
SMS Protocol SRINX-2 Relay Reader
Notes
<u>۸</u>
· ·
* Attached To
Defining an SRCNX16 Main w/expansion as an SRCNX-R2
* Provides Access To Area
× Deader Madel
SBINX - 2 RELAY
* Reader Type * Door Type
Standard Reader Pedestrian
Antipassback Time (Minutes) Channel Number Reader Address
Reader Template
RINX - No REX without DOD Trigger
🔽 Keypad Reader 🔽 Degraded Mode 🗌 Auto Relock
🔲 Guest Sign In Reader 🛛 🔲 Guest Sign Out Reader
✓ Installed
🔲 Reinstall All Devices
😰 🚸 🔚 Save and Close 🕞 Save and New 🗶 Close

17. You can also make additional choices by checking off the check boxes should you need or decide to.

- 18. Next, click the Save and Close Button. You will see another pop up window allowing you to enable or disable the options that the template will apply to your reader definition.
 - a. In 99% of the case, you will take the defaults. Click the OK button and your Reader Definition is complete.

Template Choices	—
Choose what you want to duplicate	
Contacts	
🔽 Relays	
Event Triggers	
Predefined and Manual Overrides	
Automatic Overrides	
Cancel	

19. After the pop-up closes you will be back in the System Manager Window. If you expand the tree, you will see your reader definition with the template options that were applied.

🖉 System Manager		
<u>File E</u> dit <u>V</u> iew <u>H</u> elp		
		- <u>×</u>
Areas	Area Tree Area Sets Ca	rdholder Categories Timezone Tree
Area Access	Holiday Sets Hardware Map Callbac	k Sets 📔 Site Code Sets 📔 Lock down Tree 🛛
Cardholders	K K K 🕨 🕨 🛏 🕻 🎸	2
Timezones, Holidays and Lockdowns	⊡CIM1	•
Hardware Map	E CIM1 Network Port	
Edit Controllers 🗾	Defining an SRCNX16 Main w SMS Protocol SRINX-2 Re SMS Protocol SRINX-2 Re SMS Protocol SRINX-2 Re	/expansion as an SRCNX-R2 slay Reader 2 Relay Reader
Edit Readers	SMS Protocol SRINX:	2 Relay Reader - Activate 2 Relay Reader - Activate 2 Relay Read - Auvilian Input
Edit Contacts	SMS Protocol SRINX-	2 Relay Reader - DOD 2 Relay Reader - DOD 2 - Push Button Override
Edit Relays	383110000131884	
CM Locks		
Campus Locks		
Site Codes and Callbacks		Z
All Areas Cardholders with Access to A	area All Cardholders Timezone Intervals	Edit Readers Callback Numbers
ы « « » » » + -	୯ 🛷 🎡 🛤 📰 🍪 📷	
Contacts At Relays At Devi Capacity Capacity ID	ce Reader Description	Reader A
	51 SMS Protocol SRINX-2 Relay Reader	Standard Reader
		in the second seco
•		
	Beaders 1 Becord(s) in Grid	

Programming Contacts and Relays

An SRCNX-R2 can have up to 16 Contacts and 16 Relays. However, because we're using the SRCNX with Expansion controller setting to mimic a SRCNX-R2, the system will allow you to program only 16 contacts and **14 relays**.

Follow the instructions below to set up a contact and relay.

- 1. To start Launch System Manager.
- 2. Select Hardware Map, and click on Edit Contacts.

System Manager File Edit View Help		
Areas Area Access Cardholders Timezones, Holidays and Lockdowns Hardware Map Edit Controllers Edit Readers Edit Readers Edit Relays CM Locks Campus Locks Site Codes and Callbacks	Area Tree Area Sets Card Holiday Sets Hardware Map Callback	holder Categories Timezone Tree Sets Site Code Sets Lockdown Tree expansion as an SRCNX-R2 ay Reader Relay Reader - GO Relay Reader - Activate Relay Reader - DOD - Push Button Override
All Areas Cardholders with Access to	o Area All Cardholders Timezone Intervals E - C 🞸 👷 🏘 📰 🍪 油	dit Readers Callback Numbers
Contacts At Relays At De Capacity Capacity	ID Description	Reader ^ Type
	51 SMS Protocol SRINX-2 Relay Reader	Standard Reader

3. In the bottom section, click on the + button . This will bring up you Contact Definition form

🖉 Contact Definition		
<u>F</u> ile Edit <u>S</u> earch <u>H</u> elp		
* Description		
SRCNX-R2 Contact number 1		
Notes	•	
Notes		
		<u></u>
		-
* Attached to Which Controller	or Reader * Location	
	Off Site	
X Contract Turns	× A constituted D	Taurahan Diagodan
" Contact Type	Associated E	levator header
Interior Push Button	I	
Alarm Samples	Fault Samples	Parallel Resistor
2 🏄	16 🏒	0 🍾
Series Resistor	Debounce Period (Seconds)	Input Number
0 1	0 1/	1 1
Verify Status	Normally Open	✓ Installed
😰 🔅 📃	Save and Close 🛛 🕞 Save a	nd New 🛛 🗶 Close

4. In your Contact definition, give your Contact a description. (We recommend your description describes something about the new hardware so when looking at it later you can differentiate that this is the new version of controller.) In this example the contact description is: SRCNX-R2 Contact

- 5. Next we need to attach the contact to your controller. Click in the field called "Attached to Which Controller or Reader". This will bring up the Reader, Controller Selection window.
 - a. Click on the Controller Tab.

🔏 Reader, Co	ntroller Selection		- • ×
$\mathbb{K} \ll \mathbb{K}$	► ► ► C 🛷 💥 🚧		
Controller Tree	Area Tree Controllers Readers		
▼ Device ID	Description	Parent Description	
50	Defining an SRCNX16 Main w/expansion as an SRCNX-R2	CIM1 Network Port	
< □			Þ
		ОК	🔰 🗶 Cancel

b. Select the previously defined controller and click the OK button. You will be returned to the Contact Definition window.

6. Your Contact definition should look similar to the one below.

🖉 Contact Definition		×		
<u>F</u> ile Edit <u>S</u> earch <u>H</u> elp				
* Description				
SRCNX-R2 Contact number 1				
Notes				
		*		
* Attached to Which Controller	or Reader * Location			
Defining an SRCNX16 Main w	v/expansi Off Site			
* Contact Type	* Associate	d Elevator Reader		
Interior Push Button				
Alarm Samples	Fault Samples	Parallel Resistor		
Series Resistor	Debounce Period (Seconds)	Input Number		
🔲 Verify Status	🔽 Normally Open	✓ Installed		
😰 🚳 🔚 Save and Close 📑 Save and New 🔀 Close				

7. Next choose a location for your contact. Click in the field called "Location" and select a location from the list. In this example Off Site was chosen.

8. When complete you contact definition should look like the example below.

💋 Contact Definition		×
<u>F</u> ile Edit <u>S</u> earch <u>H</u> elp		
* Description		
SRCNX-R2 Contact number 1		
Notes		
		Ŧ
* Attached to Which Controller	or Reader * Location	
Defining an SRCNX16 Main w	ı/expansi Dff Site	
* Contact Type	* Associated I	Elevator Reader
Interior Push Button		
Alarm Samples	Fault Samples	Parallel Resistor
2	16	0 1
Series Resistor	Debounce Period (Seconds)	Input Number
0 14	0 14	1 1
Venty Status	V Normally Upen	V Installed
2 4	Save and Close	and New X Close
		•••

9. Next we need to define a Contact Type. Click in the field called: "Contact Type". The Select a Contact Type window will open.

🖉 Select a Contact Type				
Type the text to find the closest match in the list and hit the Find Now button to filter the list.				
Contact Type ID	Contact Type			
14	Low Temperature			
15	Bypass			
16	Override			
17	Panel in Alarm			
18	Water Detector			
19	UPS Trouble			
20	Hold Up			
21	General Purpose			
22	Motor Status			
23	Lock Clutch Position			
24	Deadbolt Position			
25	Low Lithium Battery			
26	Interior Push Button 🗸 🗸			
Image: A label{eq:A	۲. (۲. (۲. (۲. (۲. (۲. (۲. (۲. (۲. (۲. (
	OK			
26 item(s)	1.			

10. Choose a contact type and click the OK button. The window will close. In this example an Interior Push Button was chosen.

NOTE: The contact being configured is NOT attached to a reader, as such REX or DOD will not be normally chosen as a contact type.

- Now we need to define an Input Number.
 NOTE: You can ONLY choose an input number between 1 through 16.
- 12. In this example the input number is set to 1. However, just because this is the first contact being programmed, any input number may be chosen (1-16), as long as the programming matches the physical contact number on the controller.

13. Your Contact definition should look similar to the one below.

💋 Contact Definition				X
<u>File</u> Edit <u>S</u> earch <u>H</u> elp				
* Description				
SRCNX-R2 Contact number 1				
Notes				
				*
				-
* Attached to Which Controller	or Reader ×	Location		
Defining an SRCNX16 Main v	v/expansi C	Off Site		
* Contact Type	×	Associated Ele	evator Reader	
Interior Push Button				
Alarm Samples	Fault Samples		Parallel Resistor	
2 14	16	74	0	2
Series Resistor	Debounce Period 0	(Seconds)	Input Number	1
🔲 Verify Status	🔽 Normally Open		✓ Installed	
2	Save and Close	🕞 Save an	d New 🛛 🗙 Clos	e

- 14. Define other contact parameters.
 - a. Set Alarm Samples to 1.

NOTE: We recommend that the Alarm Samples be set to 1 in the beginning and if you receive false contact point reporting, return this value back to 2 as displayed.

- b. If you need to change any of the other options for your contact (Resistors values or Normally Open or Closed) make the necessary selections.
- c. Once complete, click the Save and Close button. You will be returned to System Manager.

15. Once you are back in System Manager, if you expand your hardware map and click the + sign under your SRCNX-16 controller, you will see your defined contact. Your window should look similar to the one below.

🖉 System Manager				
<u>File Edit View H</u> elp				
Areas	Area Tree Area Sets Cardholder Categories Timezone Tree			
Area Access	Holiday Sets Hardware Map Callback Sets Site Code Sets Lockdown Tree			
Cardholders				
Timezones, Holidays and Lockdowns				
Hardware Map	the CIM1 Network Port			
	=⊢ Defining an SRCNX16 Main w/expansion as an SRCNX-R2			
E dit Controllers 🗾 🔺	SRCNX-R2 Contact number 1			
Edit Readers	i SMS Protocol SRINX-2 Relay Reader			
Edit Contacts				
Edit Relays				
CM Locks				
Campus Locks				
Site Codes and Callbacks				
All Areas Cardholders with Access to A	rea All Cardholders Timezone Intervals Edit Contacts Callback Numbers			
нчч× > >> + - с 📎 💥 🙀 📰 🎲 🍠				
Device Contact ID Description	t Attached To Location			
56 SMS Protocol SRINX-2	- Push Button OV SMS Protocol SRINX-2 Relay Reader Off Site			
54 SMS Protocol SRINX-21	Relay Read - Aux SMS Protocol SRINX-2 Relay Reader Off Site			
55 SMS Protocol SRINX-21	Relay Reader - D SMS Protocol SRINX-2 Relay Reader Off Site			
57 SRCNX-R2 Contact num	iber 1 Defining an SRCNX16 Main w/expansior Off Site			
•				
	Contacts 4 Record(s) in Grid			

- 16. Your contact definition is finished. Repeat the instructions for any additional contacts then move on to the next step to program relays.
- Program a relay -- As far are programming Relays are concerned it is the same process as programming a contact. The only difference is that instead of choosing an input number (step 11 above) you will choose a relay number. Remember you can program relays 1 through 14.