## Updating a Densite card's firmware using the Miranda Interface Updater

1- Using the iControl installed on your app server, bring the card's frame in standby. DO NOT WORRY, the cards installed in the frame are still operational. It just that you are not able to control them while you are updating the firmware:

To do so, you need to find the correct DensiteManager. In my case, it is DensiteManager\_Infra4:



On my system, the card I need to update is installed in Bench3. Make a note of the ip address of the frame (Bench3 in my case). We will need it in the Miranda Interface Updater (MIU) later.

2- Now, you need to bring your frame into Standby mode. Again, this is only the ability of controlling the cards in iControl that will be affected. Cards will still work as they should:

DensiteManager_Infra4 [Densite Manager]	
Configuration JVM monitor	
Configuration JVM monitor • AXINO_1_10.7.2.29 • Bench3_3RU_10.7.2.43 • Bench2_2RU_10.7.2.42 • Bench1_2RU_10.7.2.41 • Bench6_2RU_10.7.2.46 • Bench5_IRD_10.7.2.45 • Bench4_XVP_10.7.2.44	Add Remove Reset Standby Omme
	Onnie

Your frame is now offline as you see the green dot is not black:

DensiteManager_Infra4 [Densite Manager]	2
Configuration JVM monitor	
XINO 1 107230	i
• Fench3_3RU_10.7.2.43	Add
Sench2_2RU_10.7.2.42	Remove
<ul> <li>Bench1_2RU_10.7.2.41</li> <li>Bench6_2RU_10.7.2.46</li> </ul>	Reset
<ul> <li>Bench5_IRD_10.7.2.45</li> </ul>	Standby
Bench4_XVP_10.7.2.44	Online
Leave the DensiteManager Config tab	Online
opened as you will need it after the	
upgrade has completed.	

3- You can now start the MIU java app that was included in the ftp link provided. As you can see, we really want to make sure that the frame is set to StandBy! :

💽 Miranda In	iterface Upda	ater				_ 🗆	×	
<u>T</u> ools <u>H</u> elp						Mirand		
Upgrade Car	ds Upgra	de CPU-ETH	l Upgra	de ABT				
Densite IP ad	dress			Conne	ct	٩	_	
Upgrade Fil	e Selection n No f	ile selected		Target Ca Upgrade	ırd: Version:	-		
Slot	Card	Version	Select		Status			
1								
2	Miranda I	interface U	pdater		>	<u>دا</u>		
3	A							
5		If the Dens	site frame	you wish to				
6		upgrade is			N,	Hit the	Оκ	button to get rid of the warning
7		in the Den	citó Mana	S FRAME IN S	STANDBT			batton to get na of the warning.
8		hoforo pro		vith any und	rado			
10		belore pro	ceeding v	with any upg	raue.			
11			OK					
12								
13								
14								
15								
17	·							
18								
19								
20								
			UPGRAD	E	] [	ABORT	]	
			0%				]	

4- Connect to your frame's ip address, the one that you took note of in step 1, in my case 10.7.2.43:

Minand					
<u>T</u> ools <u>H</u> e	lp				Miranda
Upgrade	Cards Upgra	-ETI	l Upgr	ade ABT	1
Densite IF	Paddress 10.7	.2.43		Dis	sconnect
Upgrad	e File Selection Open No f	ïle selected		Tarı	Here, the button should say connect took the picture after I connected
				Upg	Now that you are connect, you can
Slot	Card	Version	Select		see all the cards installed in this
1					frame and their current installed
2	ADA-1023_61	200			Itallie and their current installed
3	 DEC 4002 84				firmware.
4	DEC-1003_01	100			
6					
7					
8	SCO-1421_127	310			
9	VEA-1002_37	110			
10	REF-1801 77	110			
11					
12	HRS-1801_68	124			
13					
14	HRS-1801_69	100			
15					
16					
17	XVP-1801_73	135			
18					
19	DEC-1023_82	100			
20	HCP-1801_62	218			
			UPGRAD	DE	ABORT

5- Extract the firmware's zip file that was in the ftp link:



## 6- Open the firmware in the MIU:

Miranda Interface Updater	
Tools Help	Miranda
Upgrade Cards Upgrade CPU-ETH Upgrade	ABT
Densite IP address 10.7.2.43	Disconnect
Upgrade File Selection Open	
Open I Look In: Desktop	•
Slot Card Computer	
1            2         ADA-1023_6           3            4         DEC-1003_81             5	It is located in the folder extracted earlier
5          6          7          8       SCO-1421_1;	
Miranda Interface Updater <u>T</u> ools <u>H</u> elp  Upgrade Cards Upgrade CPU-ETH Upgrade	ABT
Densite IP address 10.7.2.43	Disconnect
Upgrade File Selection eon	
Open I Look In: 337-01P8	0-320
Slot Card Card Card Card Card Card Card Card	Within the card folder
3 soft-modules	
<u> </u>	
7	
8 SCO-1421_1:	

S Miranda Interface Updater	
Tools Help	Miranda
Upgrade Cards Upgrade CPU-ETH Upgrade ABT	
Densite IP address 10.7.2.43 Disc Upgrade File Selection Open	connect
Slot Card firmware-3.2.0.99.zip	Select the zip file, click open and it
	will be uploaded to the frame.
2 ADA-1023_6	· ·
4 DEC-1003 81	

7- MIU is intelligent enough to know which cards are compatible with this firmware. You SCO-1421 should be outlined in white. Just tick the box to select the card to which you want to update and click upgrade. The reason why we have the select box is in case you have multiple cards that can be updated, you can select only the ones that you really want to update. So if you had 4 of them, but can or want to update only 2 of those, you select the ones you want and voilà!

🗬 Miranda Interface Updat	ter	<u>_ 0 ×</u>	1
<u>T</u> ools <u>H</u> elp		Miranda	
Upgrade Cards Upgrade	e CPU-ETH Upgrade ABT		
Densite IP address 10.7.2	2.43 Disconnect	•	
Upgrade File Selection Open firmw	are-3.2.0.99.zip Target Card: Upgrade Version	SCO-1421_127 : 3	
Upgrade Cards		<u>×</u>	
During the upg - remove/inser - remove contr - unplug power - disconnect ne Continue upgra	rade process DO NOT: t cards from Densité frame roller from Densité frame r cord from Densité frame etwork cables between computer and ade?	d Densité frame	Another warning We really want you to be aware of any possible situation that could harm the process and your card at the same time If you follow what it tells you what not to do, you will be fine! To start the upgrade, click Yes.
14 HRS-1801 69	100		
15			
16			
17 XVP-1801_73	135		
18			
19 DEC-1023_82			
20 [HCP-1801_62	218		
[ [	UPGRADE	ABORT	
	0%		

🔮 Mirand	a Interface Upda	iter			_ [] :	×
<u>T</u> ools <u>H</u> e	elp			•	Miranda	2
Upgrade	Cards Upgrad	le CPU-ETH	l Upgi	ade ABT		
Densite I	Paddress 10.7	.2.43		Disconnect	•	
Upgrad	le File Selection Open firm	ware-3.2.0.9	99.zip	Target Card: SC Upgrade Version: 3	0-1421_127	
Slot	Card	Version	Select	Status		
1						
2	ADA-1023_61	200	<u> </u>			
3			<u> </u>			
4	DEC-1003_81	100				
5						
7					The	status will undate at both the
8	SC0-1421_127	310	V	Upgrading 9.0 %		
9	VEA-1002 37	110			car	d level and at the bottom. Why
10	REF-1801 77	110			hav	e both, the one at the card level
11					giv	as you an indication for the undate
12	HRS-1801_68	124			giv	es you an indication for the update
13					oft	his particular card as the one at
14	HRS-1801_69	100			the	bottom of the interface gives you
15						
16			<u> </u>		ag	lobal status in case you are
17	XVP-1801_73	135	<u> </u>		upg	grading multiple cards at once.
18			<u> </u>			
19	DEC-1023_82	100				
20	02	210	UPGRA	DE	ABORT	
		Upgra	ding Slot	8 9.0 %		

If successful or not, the interface will let you know. In my case, it was. So we know that the firmware I gave you is working...

	Miranda	Interface Upda	iter		
To	ols <u>H</u> e	lp			Miranda
U	pgrade (	Cards Upgrad	de CPU-ET	H Upgn	ade ABT
C	)ensite IP	address 10.7	.2.43		Disconnect
	Upgrade	File Selection	ware-3.2.0.	99.zip	Target Card: SCO-1421_127 Upgrade Version: 3
	Slot	Card	Version	Select	Status
	1				
	2	ADA-1023_61	200		
	3				
	4	DEC-1003_81	100		
11	5				
	6				
	7				
	8	SCO-1421_127	320		Upgrade Successful
	9	VEA-1002_37	110		
	10	REF-1801_77	110		

8- Now, you can exit out of the MIU. Again, no quit button, so it's the old Windows X! And yes, I have set my Windows 7 to look like Windows XP... Loved XP! ... but I digress... Or you go in Tools and select Exit...

Miranda Interface Updater
Tools Help Miranda
Clear WSS Is Upgrade CPU-ETH Upgrade ABT
Exit Densite IP address 10.7.2.43 Disconnect
Open firmware-3.2.0.99.zip Target Card: SCO-1421_127 Upgrade Version: 3
Slot Card Version Select Status

9- The last step you need to do is to bring your frame back online within your iControl:

🗖 DensiteManager_Infra4 [Densite Manager]	
DensiteManager_Infra4 [Densite Manager] Configuration JVM monitor AXINO_1_10.7.2.29 Bench3_3RU_10.7.2.43 Bench2_2RU_10.7.2.42 Bench1_2RU_10.7.2.44 Bench6_2RU_10.7.2.45 Bench4_XVP_10.7.2.44 Select the correct Frame and hit Online	Add Remove Reset Standby Online

Now that the frame is back online, you will see all the cards repopulate your iControl. Even the SCO-1421 will be available. It shouldn't show up all the features available though, as you are running an older version of iControl. You will be able to really control the card within iControl Solo, that we will configure to now.

## **Configuring iControl Solo**

1- At first launch of iControl Solo, you will have a blank canvas. Click on Managers, as you will need to get to the DensiteManager to control your frame:

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new Toors Herb	Short lab.	Type	Comments*	Source ID* Confid	status				
Logical view									
					-				
					-				
pcal view C Physical view Flat view				_					
pc.at view Physical view Patt view									
pool view Physical view That view mber of carate detected: 3 Iiirandia iControl Solo									
gcatvere <sup>©</sup> Physical view <sup>™</sup> Interview mitter of carefic defected: 3 firranda iControl Solo <u>V</u> iew <u>T</u> ools <u>H</u> elp							_		
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postwere Perpetativeer ■ Instance meter of cardio detected: 3 <b>Liranda iControl Solo</b> <u>View Iools Help</u> Cogical view Managers	Label*			Short lab		уре		Comments*	
Active Presentive Instrumenter of carsts detected: 3 liranda iControl Solo View Iools Help Logical view Managers DensiteMana	Label*			Short lab	Densite Mar	Type		Comments*	
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🕫 Miranda iControl Solo			
<u>File View Tools Help</u>			
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E Cogical view			
- 💻 DensiteManager	DensiteM	Densite Manager	
DensiteManager [Densite Manager]     Configuration			Loudness / Located at
		Add Remove Reset Standby Online	

2- Add the frame's IP address and a name. I suggest that you use a different name than the one used in your regular iControl:

🚥 DensiteManager [Densite Manager]	
Configuration	
Target Information         Image: Information         Image: Image	Add Remove Reset Standby Online

Now, iControl Solo will populate with all the cards installed in that specific frame.

If you are looking at your regular iControl, you may see duplicates of your cards. Do not worry, this is normal and will not cause in troubles. This is why having set a different name is a good idea. You can exit the configuration window (there is no quit, so hit the Windows X)!

You are now set to control your card with its new firmware.



If you have any questions, please contact Grass Valley Support.