

This manual explains the procedure to upgrade the firmware of an iBootBar.

- This manual and figures, (screenshots) assume a default ip address of 192.168.0.254 and default location for the program files as c:\dataprobe\iBB
- The ip number of the iBootBar must be known and accessible. This means your PC will need to be on the same subnet as the iBootBar. This means your PC would need to be 192.168.0.xxx where xxx is not 254.
- By default, the units ability to be updated is disabled. The unit must have upload enabled via serial or telnet CLI Log onto the iBootBar and issue the command "set upload enable yes"
- 1. Run the UDPDownload.exe program on the PC

The first time run you will see the image in Figure 1. Notice that the path to the RAM Loader and User Program files may not be correct with this first run of the program.

Once set, the correct path to the files will be stored for the next time the program is run.

	tility V2.3C			l		
Ping/Config Log		Search	Download	Abort	Help	Exi
Specify RAM loader C	Use Built-in Dynamic C RAM Loade	Use Built-in Soft	ools RAM loa	ader		
RAM Loader: PDL-Generi	c.bin				-	
User Program: program.bin					-	
Force Short Packets	Force RAM loader Download	Query for	User block s	ize		
						~
						1
						1
Searching for boards on port	2000.					~
Searching for boards on port	2000.					1
Searching for boards on port	2000.					2
Searching for boards on port	2000.					15 2
Searching for boards on port	2000.					15
Searching for boards on port	2000.					15 12

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2. Click on the Ellipsis () to the right of the RAM loader path to locate the **PDL-RCM3300.bin** file.



3. Click on the Ellipsis () to the right of the User Program path to locate the **.bin** file for the version you are upgrading to. (The sample will use version .73.27 or file **.IBOOTBAR dual 0.73.27.bin**)



4. If the iBootBar is not displayed in the center window, as in Figure 4, set the program to find it.

Network Download Utility	y V2.3C			l.	.)6	X
Ping/Config Log		Search	Download	Abort	Help	Exit
Specify RAM loader C Use	Built-in Dynamic C RAM Loade 🛛 🕥	Use Built-in Soft	ools RAM lo	ader		
RAM Loader: C:\dataprobe\iBB	VPDL-RCM3300.bin				-	
User Program: C:\dataprobe\iBB	NBOOTBAR dual 0.73.27.bin				-	
Force Short Packets	Force RAM loader Download	Query for	User block :	size		
iBootBar 0.73.25	IP=192.168.0.254:2000	00:0d:ad:00:00	:37 No loade	er.		
						N.
Searching for boards on port 2000	l.					^
Searching for boards on port 2000	ι.					
Searching for boards on port 2000						
Searching for boards on port 2000	ι.					-
Searching for boards on port 2000	ι.					
.Searching for boards on port 2000	ę.			Figur	E 4	~

Go to Ping/Config and select Ping Specific IP. As shown in Figure 5.

Enter the current ip number 192.168.0.254 as in Figure 6.

The unit should now appear in the window as shown in Figure 4.

🕬 Network Download Utility 🕅	/2.3C	Ping specific IP	×
Ping/Config Log Ping Specific IP Set Board IP Address Auto Ping List ✓ Use broadcast for search.	Dynamic e BAM lo	Enter IP address of board to query 192 . 168 . 0 . 254	OK Cancel Port: 2000
Auto Update is Disabled No Prompt before Auto Download Add/Edit Auto update Entry		[FIGURE 6
Automatic update Poil Time	FIGURE 5		

5. Now select the iBootBar from the center window. Notice the center display shows the current firmware in the iBootBar.

6. Next select "Download" from the selections along the top right, as in figure 7.

💴 Network Download Util	lity V2.3C			
Ping/Config Log		Search Download /	Abort Help	Exit
Specify RAM loader C U:	se Built-in Dynamic C RAM Loade 🛛 🕥	Use Built-in Softools RAM load	ler	
RAM Loader: C:\dataprobe\i	iBB\PDL-RCM3300.bin		-	
User Program: C:\dataprobe\i	iBB\IBOOTBAR dual 0.73.27.bin		_	
Force Short Packets	Force RAM loader Download	Query for User block siz	e	
iBootBar 0.73.25	IP=192.168.0.254:2000	00:0d:ad:00:00:37 No loader.		~
Consulting for bounds on post 20	100			
.Searching for boards on port 20	JUU.			-
Searching for boards on port 20)00.			
.Searching for boards on port 20	000.			
Searching for boards on port 20	000.			
Searching for boards on port 20	000.	F		
Searching for boards on port 20	000.			~

- 7. The Ram loader will download first, sometimes so fast you will not see any indication.
- 8. The User Program will download next and a progress bar will appear as shown in figure 8. (figure 8 shows 23% progress)

St Network Download Utility V2.3C	l		X
Ping/Config Log Search Downlo	ad Abort	Help	Exit
📀 Specify RAM loader 🛛 C. Use Built-in Dynamic C RAM Loade 🔿 Use Built-in Softools. RAM	1 loader		
RAM Loader: C:\dataprobe\iBB\PDL-RCM3300.bin		-	
Progress: 23%			
Force Short Packets Force RAM loader Download V Query for User blo	ck size		
Generic RAM Downloader Tue Mar 7 2006 IP=192.168.0.254:2000 : Ram loader.			< >
Start of user block: 40000, blocksize=4096 User block reported as: 7c000			^
Sent RAM Loader Query Userblock Addr.			
Search/Ping response from: 192.168.0.254 port 2000: Generic RAM Downloader Tue Mar 7 20	06		
Sent RAM Loader Sent RAM loader			
Download Complete :) Sent BAM Loader Size to target			
Route to board ok	FIGUR	E 8	-
Search/Ping response from: 192.168.0.254 port 2000			~

When progress reaches 100% the upgrade is complete. Cycle power on the unit to synchronize the outlets and the controller. Then use serial interface or telnet to the default ip address of 192.168.0.254 to access and setup the remaining iBootBar parameters.

TECHNICAL SUPPORT, RETURNS AND WARRANTY

Dataprobe Technical Support is available 8:30AM to 5:30PM ET to assist you in the installation and operation of this product. To obtain Technical Support call our Tech Support Hotline at 201-934-5111, or Email us at tech@dataprobe.com. Please have the following information available when you call:

- Model of Product
- Serial Number
- Date of Purchase
- Name of Seller (if other than Dataprobe)

If you purchased this product through an Authorized Dataprobe Reseller, you should contact them first, as they may have information about the application that can more quickly answer your questions.

WARRANTY

Seller warrants this product, if used in accordance with all applicable instructions, to be free from original defects in material and workmanship for a period of One Year from the date of initial purchase. If the product should prove defective within that period, Seller will repair or replace the product, at its sole discretion.

Service under this Warranty is obtained by shipping the product (with all charges prepaid) to the address below. Seller will pay return shipping charges. Call Dataprobe Technical Service at (201) 934-5111 to receive a Return Materials Authorization (RMA) Number prior to sending any equipment back for repair. Include all cables, power supplies and proof of purchase with shipment.

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