

INC,LLC FIRMWARE DOWNLOADER INSTRUCTIONS

Step 1: Install the FW_Downloader application. The file can be found at http://www.incllc.com/Downloads/Downloads.htm

Step 2: Run the application.

Step 3: Select Network Type and press "OK".



Step 4: Select Node to download by highlighting the node in the grid and pressing "Select Mode/ Download Firmware" button.

		NOD			5	ert Nationali As	11155			
Aco	ess Point;	1			1	Browse				
					5	Stop Network Access				
Ind	Variation	Out in The	Dender Co.	Denision	-	and Denoted by				
000	HE LL	12	1792	13.	0	USB 1792	eline -			
				Letter d						
	-					-				
_										
			Augusta and	-			-			
-							-			
1	10000	00000	05000	0300			•			

Step 5: When the download screen comes up, enter the password provided and click on the "Advanced Update" tab.

1.001	de#: 0			Password	12345678				
		Óduarca	ull Indeta						
acto	ua Obasie	Current S	ielection	Active Sector	On Boot				
÷	Site	Status	Name	Description	Build Date	Build Time R	evision		
	15								
-									
	Ratrieve (Configuratio	18		Ere	os Sector		Meike Foot Sector	77
	Ratrieve (Configuratio	38		Ere	ne Sector		Meke Foot Secto Execute Sector	77
	Ratrieve (Configuratio	38		Ere	es Sector add/Jegradi Re	- Joost Node	Moke Foot Secto Execute Sector	77
	Retrieve (Cantiguretia	<u>18</u>		Ero Down	es Sector add/Usgrada		Moke Foot Scott Execute Sector	77

Step 6: Click the "Retrieve Configuration" button. It may take a few seconds to load the information from the module.

anderd Update Advanced Update ectors Current Selection Active Sector On Boot # See Status Name Description Build Date Build Time Revision 0 00FFFF <cd><cd><cd><cd><cd><cd><cd><cd><cd><c< th=""><th>No</th><th>de#:0</th><th></th><th></th><th>Pessword, 1234</th><th>5678</th><th></th><th></th><th></th><th></th></c<></cd></cd></cd></cd></cd></cd></cd></cd></cd>	No	de#:0			Pessword, 1234	5678				
Sec Status Name Description Build Date Build Time Revision 0 00FFFF <ck> USB177X USB177X Firmwark Jan 10 200 15.54/34 1.4 1 00FFFF <ck> USB1772 CANopen Data / Tilan 18 200 13.01/13 1.3 2 02FFFF <cernpty :<="" td=""> 3 02FFFF <cernpty :<="" td=""> Retrieve Configuration Erese Sector Make Boot Sector Retrieve Configuration Erese Sector Make Boot Sector Beboot Node</cernpty></cernpty></ck></ck>	anda	rd Update	Advanced	Update						
# Size Status Name Description Build Date Build Date Build Time Revision 0 00FFFF <ck> USB177X USB177X USB177X Timewark Jan 10 200 15.54:34 1.4 1 00FFFF <ck> USB1792 CANopen Data / T Jan 18 200 13.01:13 1.3 2 02FFFF <cempty:< td=""> 3 02FFFF <cempty:< td=""> Retrieve Configuration Erese Sector Make Boot Sector Download/Upgrade Execute Sector Reboot Node</cempty:<></cempty:<></ck></ck>	iector	re:	Current Sel	ection	Active Sector On E	Boot				
0 00FFFF <ck> USB177X USB177X Jan 10 200 1554:34 1.4 1 00FFFF <ck> USB1792 CANopen Data / T Jan 18 200 13:01:13 1.3 2 02FFFF <cmpty:< td=""> 3 02FFFF <cmpty:< td=""> 3 02FFFF <cmpty:< td=""> Retrieve Configuration Erase Sector Make Boot Sector Download/Upgrade Execute Sector Reboot Node</cmpty:<></cmpty:<></cmpty:<></ck></ck>	¥	See	Status	Name	Description	Build Date	Build Time	Bevision		
1 000000000000000000000000000000000000	0	COFFFF	<ok></ok>	USB177X	USB177X Firmware	Jan 10 20	15:54:34	1.4		
2 02fffff <empty:< td=""> 3 02ffff <empty:< td=""> 3 02ffff <empty:< td=""> Retrieve Configuration Erase Sector Make Boot Sector Download/Upgrade Execute Sector Reboot Node </empty:<></empty:<></empty:<>	1	OOFFFF	<ok></ok>	USB1792	CANopen Data / 1	Jan 18 20	13:01:13	1.3		
3 02PPF <empty: Retrieve Configuration Erase Sector Make Boot Sector Download/Upgrade Execute Sector Reboot Node</empty: 	2	029999	<empty:< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></empty:<>							
Retrieve Configuration Erase Sector Make Boot Sector Download/Upgrade Execute Sector Reboot Node				-		1		E		-
Download/UpgradeExecute Sector		Retrieve C	onfiguration			Er	ese Sector		Make Boots	Sector
Reboot Node						Down	load/Upgra	de	Execute Se	actor
							F	Reboot No	de	

Step 7: Erase the old firmware by first selecting the sector with the application firmware, NOT THE DOWNLOADER firmware. This is typically sector 1 for the application firmware. Click the "Erase Sector" button and answer yes to the prompts. The module will set the boot sector back to the downloader as it will be all that is left after deleting the application.

Not	de# 0			Pessword: 1234	5578				
Stande	rd Updeta	Advanced	Update						
Sector	rs:	Current Se	lection	Active Sector On 5	Boat				
	920	Status	Nama	Description	Build Data	Build Time	Revision		-
a	DOFFFF	<ok></ok>	U\$8177X	USB177X Firmware	Jan 10-200	15:54:34	1.4		
1	DOFFFF	<ok></ok>	USB1792	CANopen Data / T	len 18 200	13:01:13	1.3		
2	03FFFF	<empty:< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></empty:<>							
				Erase Sector	#17				
				Ves	N		Cancel		
	Retrieve C	onliguration		3	Ent	use Sector		Moke Boot Sects	or
					Downle	ad/Upgra	de	Execute Sector	
						F	Reboot Noc	in	

Step 8: Highlight the sector to download and click "Download/Upgrade". Select the firmware file to download and press "OK".

No	da #: 1	10						
			Open Hex Fi	le			? ×	
Sectors: Current & Current & Status		Advanci	Look in: SMy Documents			00	•	
		Adobe		R.M.R0101.H66	-86	0		
		Beneficial		USB1770 old HB				
0	OOFFFF	<ok></ok>	My eBook	3	US81770.HB6	11.004		
1	DOFFEE	<empt< td=""><td>CANRSO 1</td><td>es L r1 01.hex</td><td>US81770_MAX2</td><td>11.000</td><td></td></empt<>	CANRSO 1	es L r1 01.hex	US81770_MAX2	11.000		
2	DOCTOR .	<empt< td=""><td>CANVG01</td><td>L_r1_01.hex</td><td>US81792.H86</td><td></td><td>100000000000000000000000000000000000000</td></empt<>	CANVG01	L_r1_01.hex	US81792.H86		100000000000000000000000000000000000000	
s loome cempt			DNBK2_R0201.H86 DUS81792_			MAX211 2006_01_18/HB6		
			<u></u>				<u> </u>	
			File name:				Open	
			Files of type:	Hex Files (*HEX	*H86)	•	Cancel	
	Retrieve C	- onfiguratio	n		Erase Sector	Ma	ke Boot Sector	
					Download/Upgrade	E	eoute Sector	
					Reboo	Node		

Step 9: The firmware will download to the module.

Na	de#: 0			Password 123	45678				
anda	ird Update	Advance	d Update						
edo	rs 📕	Ourrent Se	election	Adive Sector On	Boot				
+	Ste	Status	Name	Description	Build Date	Build Time	Revision		
0	000000	<ok></ok>	USB177X	USB177X Firmwar	an 10 20	0 15:54:94	1.4		
1	0077777	<ok></ok>	USB1792	CANopen Data /	1 Jan 18 20	0 13:01:13	1.3		
2	0.27777	<empty< td=""><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td></empty<>	12						
3	0.21777	<empty< td=""><td>¢.</td><td>1</td><td>0000</td><td></td><td>al</td><td></td><td></td></empty<>	¢.	1	0000		al		
					Download	d Successful *			
	Retneve C	Contiguration	n		Er	rese Sector		Make Br	oot Sector
					Down	load/Upgra	de	Execute	e Sector
						P	ebootNo	de	

Step 10: Select the new downloaded firmware and click "Make Boot Sector". This will tell the module which firmware to run on restart or power cycle. Press "Reboot Node". This will reset the module. Exit FW_Downloader application.

No	den∛: 0			Passward: 1234	5678				
inda	nd Up date	Advanced	Update						
ecto	(s: 📕	Current Se	action	Active Sector On E	Boat				
£	Size	Status	Name	Description	Build Date	Build Time	Revision.		
Ũ	OOFFFF	<ok></ok>	USB177X	USB177X Firmware	Jan 10 200	15:54:34	1.4	1	
1	OOFFEE	<ok></ok>	US81792	CANopen Data / T	Jan 18 200	13:01:13	1.3		
2	0.25677	<empty:< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td></empty:<>							
3	0.2FFFF	<empty.< td=""><td></td><td>PROPERTY</td><td></td><td>_</td><td></td><td>11</td><td></td></empty.<>		PROPERTY		_		11	
				Yes			Cancel		
	Retrieve C	Configuration		-	En	see Sector		Make Boot Ser	ctor
					Downl	oad/Upgra	de	Execute Sect	or
						F	Report No	cle	