

## **INSTRUCTIONS TO UPDATE FIRMWARE**

FOR





Dranetz

1000 New Durham Road, Edison, New Jersey 08817 Telephone 1-800-372-6832 or 732-287-3680

Fax 732-248-1834 • www.dranetz.com

## **Update Firmware**

You can update the DranXperT's internal program by downloading the latest firmware release from the web to install into internal memory. Refer to the instructions below on how to update the instrument's firmware.

Firmware updates for all Dranetz products can be downloaded from the Dranetz website at: <u>https://www.dranetz.com/technical-support-request/software-firmware-updates/</u>

Download the latest firmware	The procedure below specifies how to download the latest firmware file from the web onto your local computer.				
file from the Dranetz website	Step	Action			
	1	Using a computer, connect to the web and access the Dranetz URL address			
		https://www.chanetz.com/dranxpert-in/whilare-update-formrequest-2/			
		The latest Firmware Update and instructions in the form of a single zipped file named "DranXperT_Vx_x_x.zip", note: $x_x_x$ is the version number			
	2	Complete the form and click 'Download'. You will be prompted by Windows to choose a folder to save the firmware update file. After download, unzip the downloaded file by right click on it and selecting 'Extract all'. These instructions and the firmware files will be saved. The firmware update files are named "dranxpert1.x.xx.deb".			

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The following procedure details how to install the latest firmware update to the DranXperT.

Connect to	Step	Action
instrument via Ethernet connection	1	Connect to your DranXperT via Ethernet connection. Open a web browser and enter the applicable IP into the address bar. (if set to default type in https://192.168.0.40) If communications to the instrument are working properly, the login window below will be displayed, prompting you to enter the username and password. If you do not see the message below your computer's network settings may not be properly configured or an incorrect IP address is being used. Enter the default Username: admin Enter the default Password: Dranetz The username and password are case-sensitive and must be entered as shown.
	2	Before upgrading firmware save data and setups if you want to archive any of the instrument files. NOTE: All data and setups stored in the DranXperT's memory may be lost when you update to the latest firmware. Copy any files that you want to save to a computer before upgrading firmware.

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Update	Firmware,	continued
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Connect to	Step	Action				
instrument via Ethernet connection	3	From the status screen verify the Kernel version V1.x.x before upgrading the firmware.				
		Is it version V1.0.xx or Version V1.2.xx?				
	Information Setup Data Factory English *					
		Instrument Status				
		Instrument Status				
		Serial # DRXP0QA009				
		Version V 01.01.080				
		OS Information Kernel 4.19 97-10-D-11 80-66 Survey Name Survey				
		Monitoring Status Off				
		Active Dabase File (null) Last File Auto-Deleted None				
		Storage Available 3759 MB				
		Power Source Battery Charging No				
		Battery Level 07%				
		Language English				
		If your DranXperT Kernel firmware version is in the range of Kernel 4.19.97-10-D-1.0.4 to Kernel 4.19.97-10-D-1.1.80 You must first update to V1.1.81 (included with the firmware download) before upgrading to a higher version V1.2.xx.				
		If your DranXperT Kernel firmware is V1.2.0 or higher you only have to update to the latest available V1.2.3 (or higher).				
	4	Clear browser cache by pressing Ctrl, Shift, and Delete keys at the same time				
		Close the web browser before proceeding to update the instrument's firmware.				
		Continue to the next page and verify the version has been updated.				

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Updating Firmware from	The proce the range	edure below spec of Kernel 4.19.9	ifies how to 97-10-D-1.0	upgrade from V1.1.xx if your Ke 4 to Kernel 4.19.97-10-D-1.1.80	rnel image is in		
V1.1.xx	Step	Action					
	1	Open a new bro	wser windo	W			
	2	Connect to the ]	DranXperT	IP Address you are updating to V	/1.1.81		
	3	Update Firmware to V1.1.81 filename dranxpert1.1.81.deb Select Factory>Update Firmware from main page and follow the on screen instructions. Note: For Kernel images 4.19.97-10-D-1.0.4 to Kernel 4.19.97-10-D-1.1.80 it is required to update to V1.1.81 before updating to V1.2.0					
		Information Setup Data Fac	złory		English +		
				Firmvare Update			
			an di Mana	Firmware Upload Procedure	A A		
			1 Clear Uploaded Files	Lescription This table will well you through the process of facility a filmware update into your device. All steps are shown so that you can see where you are in the process and what to arped. The green, highlighted row is the current table. Only the buttors in that row will be active. As each step is complied the buttors for that steps will be replaced by a whole main fragment go further action is required to that step.			
			2 File Selection	Culk on the LLEAK block to the right to best all updage titles. Select the firmware file to upload to the instrument. It should be a file named dranogen/INNUNA doublene MLAN is the firmware version number). Pres the BROWSE button to locate the dramper/NUNNA deb file.	BROWSE		
			3 Upload	Sand the selected file to the instrument. This will take several seconds. Press the UPLOAD button to the right when you are ready to begin.	UPLOAD		
			4 Install	Press the UPDATE button to the right to begin. Press the UPDATE button to the right if you do not want to continue if you've changed your mind and no longer with to reprogram the instrument threms the rep you MUST cannot the firmware load process. Since riprogrammed on the next retaint:	UPSATE CANCIL		
			5 Complete	You're done with the firmware upload. You don't need to do anything else. From here you can continue on with normal interaction with this site. You can use the Informatico-Instrument Status menu item to confirm that the instrument is running the updated firmware.			
		Select Factory> process. Clear b same time. Close the brows	Restore Fac prowser cach ser window	tory Default (Keep IP) and allow he by pressing Ctrl, Shift, and De by pressing the Alt and F4 keys a	to complete the dete keys at the at the same time.		

Updating	Verify Fi	rmware version after u	ipgrade.				
Firmware from	Step	Action					
V 1.1.XX	1	Open a new browser	window				
	2	Connect to the DranXperT IP Address you are updated to verify the Instrument Status screen					
	3	From the status screen verify the Kernel version V1.x.xx has been updated to the applicable updated version.					
		DRANETZ THE STARSAGE FOR HARVEY & PORTHAGENERATION Information Setup Data Factory					
			Instrument Status				
		ause também a					
		Model	DranXpert				
		Serial #	DRXP0QA009				
		Version	V 01.01.081				
		OS Information	Kernel 4.19.97-10-D-1.1.80-GB				
		Survey Name	Survey				
		Monitoring Status	Off				
		Active Dabase File	(null)				
		Last File Auto-Deleted	None				
		Storage Available	3/5/ MB				
		Charging	Line Vas				
		Battery Level	100%				
		Language	English				

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Updating	The procedure below specifies how to upgrade from V1.1.81 or higher.
Firmware from	
V1.2.xx	Note:

When upgrading firmware version V1.1.80 (or below) you must first upgrade to V1.1.81 before upgrading to V1.2.xx or higher. DO NOT SKIP VERSIONS OR UPGRADE INSTRUCTION STEPS

Action					
Open a new browser window					
Connect to	the	DranXpe	rT IP Address you are updating t	o V1.2.xx	
Select Fact	ory>	Update	Firmware		
	Tatus		DRANXPERT		
			Firmen Totas		
			Descent Solar Descelars		
	Step #	New	Description	Status	
	÷.	Char space of The	This take we want you through the posters of tracking a finance update into you are ben. All departed and shares that you can be relear you are in the posters and well to expert. The given typinghese can be accertained, but hand on it that want to be assets in team to a compared the known to the maps will be expended by a chain meet indicating no further edges a expense to the indication.	-	
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	к.	CONTRACT.	Socie faire and the foreign extent, the fair i read is an extent plane, then been provide some an extension of the extent of the extent time are by the theorem to extend the new some planets for the relationship to provide the ansatz		
Follow the s wizard will GREEN as s be highlight Clic Drar Sele Clic abor Whe	steps guide shown ed. k the k the k the k the t. en the	below to u you throu n in the pi <i>Clear</i> butto wse to loca rebsite. Not firmware f <i>Upload</i> but <i>Upload</i> but	apgrade DranXperT's firmware. The agh the process. The current step is l cture above. Once a step is complete on to clear previously updated firmware. te the firmware update file that you dow te that DranXperT firmware files have a file and click <i>Open</i> . ton to upload the firmware update file to ton to begin the firmware update proces	e firmware update highlighted in ed the next step will nloaded from the '.deb' file extension. DranXperT. s or click <i>Cancel</i> to highlighted in GREEN.	
	Open a new Connect to Select Fact DRANETZ DRANETZ Follow the s wizard will GREEN as a be highlight Clic Dran Sele Clic Clic Clic Dran Sele Clic Clic Clic Clic Clic Clic Clic Clic	Open a new broc Connect to the I Select Factory>	Open a new browser wir         Connect to the DranXper         Select Factory> Update         DRANETZ         Follow the steps below to u         wizard will guide you throu         GREEN as shown in the pi         be highlighted.         Click the Clear butto         Click the Clear butto         Select the firmware f         Click the Uplaate but         abort.         When the firmware u	Action         Open a new browser window         Connect to the DranXperT IP Address you are updating to         Select Factory> Update Firmware         Image: Ima	

Step	Action						
5	ompleted select Factory>Restore Factory						
5	Defeet (Keen ID) and all are t	sectory rectory restore ractory					
	Default (Keep IP) and allow t	b complete the process.					
	Clear browser cache by pressing Ctrl, Shift, and Delete keys at the same						
	time						
	Close the browser window by pressing the Alt and F4 keys at the same time.						
	The firmware update is complete						
6	6 Open a new browser and check the						
0							
	Information > Status page to y	verify that the version displayed matches the					
	new version installed	ering and the version displayed materies the					
	new version instance.						
		-					
	Information Setup Data Factory						
		Instrument Status					
		Instrument Status					
	Model	DranXpert					
	Serial #	DRXP0QA033					
	OS Information	V 01.02.003					
	Survey Name	Survey					
	Monitoring Status	Off					
	Active Dabase File	(null)					
	Last File Auto-Deleted	None					
	Storage Available	3743 MB					
	Power Source	Battery					
	Charging	No					
	Battery Level	97%					
	Language	English					
	Please contact Dranetz for any Telephone 1-800-372-6832 or	v assistance if required. 732-287-3680					
	<b>Step</b> 5	Step         5       Once the firmware update is complete is complete.					