



Installation Manual

KRAMER NETWORK 1.0

P/N: 2900-300571 Rev 5

www.kramerAV.com

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1 Introduction

Download the up-to-date **KRAMER NETWORK** installation package (kn-installation-wizard-1_0_4.zip) from: <u>www.kramerav.com/support/product_downloads.asp?pid=3279</u>, unzip the file and install the kn-installation-wizard-1_0_4.exe file.

KRAMER NETWORK supports uninstall/install/repair/upgrade modes.

The installation package installs the following software:

- Visual C++ Redistributable for Visual Studio 2012
- Visual C++ Redistributable for Visual Studio 2013
- WAMP (Apache)
- KDS-EN3_Manager_64
- Dante API (DAPI)
- DAPI Controller
- Kramer Network components
- Kramer Network Administrator Utilities

Before you begin installing **KRAMER NETWORK**, review the *Kramer Network Installation Prerequisites*, available at <u>www.kramerav.com/support/product_downloads.asp?pid=3279</u>

2 Installing KRAMER NETWORK 1.0

The KN-Installation-Wizard-1_0 installs all the software required for running the **KRAMER NETWORK** application. When the KN-Installation-Wizard-1_0 prompts to install external applications, leave all default values selected.



- Before installing the program it is important that you:
 - Use the default options to prevent problems during installation
 - Make sure that you have administrator permissions
 - Allow access to all the programs included in this installation on the Windows Security Alert (Firewall)

To install the **KRAMER NETWORK** application:

- 1. Go to the **KRAMER NETWORK** Web page and download the "kn-installation-wizard-1_0_4.zip" file from the DOWNLOADS section (www.kramerav.com/support/product_downloads.asp?pid=3279).
- Run the "kn-installation-wizard-1_0_4.exe" file as administrator. The KN-Installation-Wizard-1_0_4 appears (see <u>Figure 1</u>).

Kramer Network Intallation Wizard 1.0.4.6	
KRAMER NETWORK	
Welcome to the Kramer Network Installation Wizard	
Z Performing Preparations	
	Next >>!

Figure 1: Kramer installation Wizard Preparation

- 3. The KN-Installation-Wizard-1_0 may prompt you to install .NET 4.5:
 - Follow the onscreen instructions to complete the installation.
 - You can also obtain the software from the .NET 4.5 Internet page.



Note that you need to be connected to the Internet for this installation.

4. Select Upgrade to upgrade to the latest revision.



Note that there is no need to uninstall the program before you install the new revision. Use Uninstall only if you want to remove the program.

Kramer Network Intallation	Wizard 1.0.4.6	
	KRAMER NETWORK	
	Welcome to the Kramer Network Installation Wizard	
Upgrade Upgrade		
Uninstall		
		Next >>

Figure 2: Kramer installation Wizard – Upgrade

5. Click Next>>. The end-user license agreement appears:

		x	J
	End User License Agreement		
	END USER LICENSE AGREEMENT	*	
This software end user license agreement (this "EULA") is an agreement between you (the "Licensee") and Kramer Electronics Ltd. ("Kramer") which sets forth the terms of the license granted by Kramer to the Licensee as to the Software (as defined below). This EULA provides a license to use the Software and contains warranty information and liability disclaimers. Read this EULA carefully before using the Software. By clicking "I agree", you are confirming your acceptance of this license to use the Software and agreeing to become bound by the terms of this EULA. If you do not agree to the terms of this EULA, do not use the Software.			
	The Software is owned and remains the property of Kramer or its third party licensors, is protected by copyright laws and international copyright	-	
	I Do Not Agree		

Figure 3: Kramer installation Wizard – End User License Agreement.

6. Check I Agree and click Next>.

The installation wizard shows the list of programs that need to be installed.

Kramer Network Intallation Wizard	±1.04.6
Microsoft Visual C++ 2012 Microsoft Visual C++ 2013 WampServer 2 Kramer KDS-EN3 Dante API Dante Controller Kramer Network Components Finish	Microsoft Visual C++ 2012 Redistributable (x64) - 11.0.61030
	Install Next >>

7. Click Install. The installation window appears:



Figure 5: Kramer installation Wizard - Installing Microsoft Visual C++ 2012

8. Click Install.



Figure 6: Kramer installation Wizard - Installing Microsoft Visual C++ 2012

9. Wait until the following window appears.



Figure 7: Kramer installation Wizard -Microsoft Visual C++ 2012 Successful Setup



Note that you can restart your computer, if required, after installation is complete.

10. Repeat the same process for Microsoft Visual C++ 2013.

Note that you can restart your computer, if required, after installation is complete.

11. Next, install the WampServer:

Kramer Network Intallation Wizar	Kramer Network Intallation Wizard 1.0.4.6				
Microsoft Visual C++ 2012 Microsoft Visual C++ 2013 WampServer 2 Kramer KDS-EN3 Dante API Dante Controller Kramer Network Components Finish	WampServer 2 Setup In the Wamp Installation Wizard you must use the default directory C:\wamp After the installation, the program will ask to allow Firewall access - please allow it Install Next >>				

Figure 8: Kramer installation Wizard – Installing WampServer2

12. Click Install.



Figure 9: Kramer installation Wizard - WampServer2 Setup Wizard

- 13. Follow the WampServer setup and installation instructions:
 - Check the agreement
 - Set the folder to which WampServer will be installed
 - Create Quick Launch icon and/or Desktop icon, if required
 - Choose a default browser (if you are not sure click Open)
 - Specify the SMTP server (optional)
- 14. Click Finish to exit setup and check Launch WampServer 2 now, if required.

Setup - WampServer 2	
ω	Completing the WampServer 2 Setup Wizard
WampServer	Setup has finished installing WampServer 2 on your computer. The application may be launched by selecting the installed icons.
Powered by Alter Way	Click Finish to exit Setup.
The French Open Source Service Provider http://www.alterway.fr	Launch WampServer 2 now
Apache : 2.4.9 MySQL : 5.6.17 PHP : 5.5.12 PHPMyAdmin : 4.1.14 SqlBuddy : 1.3.3	
XDebug : 2.2.5	Install
	< <u>B</u> ack <u>Finish</u>

Figure 10: Kramer installation Wizard - WampServer 2 Completion of Installation

15. Click Next>> to install the Kramer KDS-EN3 Manager.



Figure 11: Kramer installation Wizard – Moving to KDS-EN3 Installation

16. Click Install to install the KDS-EN3 Manager.

Kramer Network Intallation Wiza	rd 1.0.4.6
Microsoft Visual C++ 2012 Microsoft Visual C++ 2013 WampServer 2 Kramer KDS-EN3 Dante API Dante Controller Kramer Network Components Finish	Kramer KDS-EN3 Manager At the end of the installation, login using the password: 123456 After login close the KDS-EN3 Manager Install Next >>

Figure 12: Kramer installation Wizard – Installing Kramer KDS-EN3 Manager

17. Set the password for your units (use the 123456 password, see Figure 12).

KDS-EN3 Manager - Password	KDS-EN3 Manager - Password
Please specify a password for your units.	Please specify a password for your units.
This password is stored in each unit and used for secure	This password is stored in each unit and used for secure
communication between your KDS-EN3 Manager software and your	communication between your KDS-EN3 Manager software and your
units.	units.
All units in your enviroment must share the same password.	All units in your enviroment must share the same password.
If you're joining an established environment, provide the current	If you're joining an established environment, provide the current
environment password. <i>If you later realize you mistyped the password,</i>	environment password. <i>If you later realize you mistyped the password,</i>
<i>click</i> Change Password <i>in the</i> Settings <i>panel of the main window.</i>	<i>click</i> Change Password <i>in the</i> Settings <i>panel of the main window.</i>
Enter password	Enter password
Confirm password	Confirm password
Apply	Apply

Figure 13: Kramer installation Wizard – Setting the KDS-EN3 Manager Password)

- 18. Click Apply.
 - The KDS-EN3 Manager appears -close it if you do not need to use it.

19. Click Install to install Dante API.

Kramer Network Intallation Wiza	d 1.0.4.6		
Microsoft Visual C++ 2012			
Microsoft Visual C++ 2013			
WampServer 2			
Kramer KDS-EN3			
Dante API		Dante API	
Dante Controller			
Kramer Network Components			
Finish			
			Install Next >>

Figure 14: Kramer installation Wizard - Installing Dante API

20. Follow the installation instructions and then click Next>> to continue to DANTE Controller installation

Kramer Network Intallation Wizard	± 1.04.6
Kramer Network Intallation Wizare Microsoft Visual C++ 2012 Microsoft Visual C++ 2013 WampServer 2 Kramer KDS-EN3 Dante API Dante Controller Kramer Network Components Finish	d 1.0.4.6 Dante API
	Install Next >>

Figure 15: Kramer installation Wizard - moving to Dante Controller Installation

21. Click Install.

If you are prompted to restart the Computer do not do so and click close.

Kramer Network Intallation Wizar	d 1.0.4.6
Microsoft Visual C++ 2012 Microsoft Visual C++ 2013 WampServer 2 Kramer KDS-EN3 Dante API Dante Controller Kramer Network Components Finish	Dante Controller If you are prompted to restart your computer, click Close. Install

Figure 16: Kramer installation Wizard – Installing Dante Controller

22. Follow the installation instructions. Upon completion of the setup, the following message appears:



Figure 17: Kramer installation Wizard - Dante Controller Setup Message

- 3. Click Close.
- 23. Click Next to continue to the Kramer Network Installation and then click Install



Figure 18: Kramer installation Wizard – Kramer Network Components Installation

24. Click Next>>. The following message appears.

Kramer Network Intellation Witzerd 1046	Kramer Network Intellation Witzerd 10.4.6	- 🗆 🗙
Installation complete	Installation complete	Finish

Figure 19: Kramer installation Wizard - Installation Complete Message

25. Click Finish. The following message appears.



Figure 20: Info Message

26. Wait for Kramer Network to finish the updating process.

Kramer	Network Updating
Cre Pleas	ate/Update Kramer Network Server e wait until the process will finish
~	Check Versions
 ✓ 	Updating Database
 ✓ 	Restarting services
 ✓ 	Finish

Figure 21: Kramer Network Updating

27. When finished, click OK.

Info	×
The DB was updated	
	ОК

Figure 22: DB Update Complete Message

28. The Kramer Network Administrator Utilities window appears.



Figure 23: Kramer Network Administrator Utilities Window Restarting

The Kramer Network Administrator Utilities includes Kramer Network, Adapter Layer, Web Server and My SQL.

🔣 Kran	ner Network Administrator Utilities - ×)
Services	Database Users Help	
(
0	🗙 🕒 Kramer Network	
0	🗙 🕒 Adapter Layer	
0	Web Server (Apache)	
0	MySQL	
Databas	se Version: 2	

Figure 24: Kramer Network Administrator Utilities Window Ready

2.1 Kramer Network Administrator Utilities Menus

Kramer Network Administrator Utilities can be used by IT Managers to monitor and detect problems in the system. It includes restart buttons for each item, port setting buttons for Kramer Network and the adapter layer, and status indicators for each item (see Figure 25).

	Kramer Network Administrator Utilities	- ×
Menu items	– Services Database Users Help	
Restart button		
Port setting button	🖸 💥 😐 Adapter Layer	
Status indicator	🚺 👤 Web Server (Apache)	
	🖸 😑 MySQL	
Database version	- Database Version: 2	

Figure 25: Kramer Network Administrator Utilities

2.1.1 Services Menu

Use the Services menu to display the system log and restart all or individual services.

🔣 Kram	er Network Administrator Utilities	- ×
Services	Database Users Help	
Show	v Log	
Rest	art All Services	
Rest	art Kramer Network	
Rest	art Adapter Layer	
Rest	art Web Server (Apache)	
Rest	art SQL	
0	MySQL	
Database	e Version: 2	

Figure 26: Services Menu

Figure 27 shows the logs.

Kramer Network Logs	
S Kramer Network	o Adapter Layer
09/08/2016 16 11 25 545 (SYS) ERROR Loense: No loense file was found 05/08/2016 16 11 25 545 (SYS) ERROR Loense: No loense file was found 05/08/2016 16 11 25 545 (SYS) ERROR Loense: No loense file was found 05/08/2016 16 11 25 545 (SYS) ERROR Loense: No loense file was found 05/08/2016 16 11 25 545 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 55 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 55 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 55 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 55 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 55 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 24 55 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 24 56 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 62 (SYS) ERROR Loense No loense file was found 05/08/2016 16 11 25 62 (SYS) ERROR Loense No loense file was found 09/08/2016 16 11 25 62 (SYS) ERROR Loense No loense file was found 09/08/2016 16 11 55 62 (SYS) ERROR Loense No loense file was found 09/08/2016 16 12 15 65 (SYS) ERROR Loense No loense file was found 09/08/2016 16 12 15 65 (SYS) ERRO	D9188/2016 16:02:51,798DEEUGI AL: Current Directory: C:Warner Network/AL: Server () D9188/2016 16:02:53.252JINFO JAL: Start. The Adaptation Layer Server 10:010.1 D9188/2016 16:02:53.252JINFO JRat. Jonn'ho: service on 0.0.0.334 J9188/2016 16:02:53.252JINFO JRat. Jonn'ho: service on 0.0.0.334 J9188/2016 16:02:53.252JINFO JRat. Jonn'ho: Service J9188/2016 16:02:53.252JINFO JRat. Joncow all devices J9188/2016 16:02:53.252JINFO JRat. Joncow all devices J9188/2016 16:02:53.253JINFO directory/hame: C: Warner Network VAL Server J9189/2016 16:02:73.143TINFACEI AL: Mol. > Web. 7: altArt#: //traiName*: "Ecological directory/hame: C: Warner Network VAL Server J9189/2016 16:02:73.143TINFACEI AL: Mol. > Web. 7: altArt#: //traiName*: "Ecological directory/hame C: Warner Network VAL Server J9189/2016 16:02:73.143TINFACEI AL: Mol. > Web. 7: altArt#: //traiName*: "Ecological directory/hame C: Warner Network VAL: Server J9189/2016 16:02:73.143TINFACEI AL: Mol. > Web. 7: altArt#: //traiName*: "Ecological directory/hame C: Warner Network VAL: Server J9189/2016 16:02:73.143TINFACEI AL: Mol. > Web. 7: altArt#: //traiName*: "Ecological directory/hame //traiName*: "TraiName*: "TraiName*: "TraiName*: "TraiName*: "TraiName*: "TraiName*: "TraiName*: "TraiNam*: "TraiNam
	, m

Figure 27: Kramer Network Logs

Warning		×
1	This operation will restart all service Do you want to continue?	S
	OK	

Click the eye icon ((()) to save the log and send it to Kramer Support (<u>info@kramerel.com</u>) for analysis in case of a problem.

	en one (ev) i manner rectione i	and they	. [. /]				
Organize Include in library	Share with Burn	New folder			ijiti -	• 💷	6
Travorites	Anne C		Date modified	Туре		Siz	e
E Desktop	logfile		8/9/2016 4:31 PM	File			
Downloads	8						
1 Recent Places							
📕 RENDERING							
; Libraries							
Documents							
A Music							
Pictures							
Videos							
-	a an						-
1 item							
1 item	1000	_			_		2
1 item	C) + Kramer Network + Al Server + log		* 47	Search lag		6	2
1 item	C) + Kramer Network + AL Server + log Burn - New folder	1	* 47	Search lag		<u> - 6</u> ⊨ • □	
1 item	C) + Kramer Network + AL Server + log Burn - Neur folder Name	Date modified	• 49 Type S	Search lag		<mark> ∞ 6</mark> ⊨ • □	
1 item	c) + Kamer Henorit + AL Server + log Burn Nove folder Name addressing.got	Date modified 8/13/2016 1-30 PM	• 47 Type Si Test Document	of 24 KB		 	
1 item	C) + Kamer Nenont + ALServe + log Bern Nov folder Name afferencies_2055(8);14.log afferencies_2055(8);14.log	Date modified B/32/2016 1-20 PM 8/9/2016 4-07 PM	→ Fr Type Si Test Document Test Document	06 24 KB 12 KB	, end	loi G	
1 item	C) + Kramer Network + AL Server + log Burn New folder Name Alferenting 2016 (M) (Al log desktoppt desktopt desk	Date modified 8/13/2016 1:30 PM 8/9/2016 4:37 PM 8/15/2016 1:37 PM	ype Si Test Decument Test Document Test Document	24 KB 24 KB 12 KB 2 KB		lote E • ()	
1 item	 Comer Network + Al Server + log Burn New folder New folder New folder New folder afserverlog 2015, 00, 14 log dentelog bet 	Date modified B155/2016 1-20 PM B0122016 1-07 PM B152/2016 1-37 PM	• + + Type Se Tes Document Tes Document Tes Document	28 Search Ing 28 24 83 12 83 2 88		⊨ . 0	3
1 item	C) + Kamer Helnost + AL Server + log Burn Nove folder Name a Genericagaat dietericagaat dietericagaat	Date modified B1352016 4:57 PM B1352016 4:57 PM 8/1552016 1:37 PM	fype Si Type Si Test Decoment Test Decoment Test Decoment	56 Search lay 16 24 KB 12 KB 2 KB		 −−− 6	
1 item	C) + Kamer Hetnols + AL Server + log Bern New folder Name ServerLog 2016,01,14 log denteLog bd	Date modified Brits/2016 Lite PM Brits/2016 Lite PM Brits/2016 Lite PM	fype Si Test Deconnent Test Deconnent Test Deconnent	24 KB 2 XB	, inc.	E • 0	
1 item	C) + Camer Network + ALServer + log Burn New folder Name alservelog, 2015, M, 14 log deneticing tot deneticing tot	Date modified 8/35/2016 1-38 PM 8/15/2016 1-39 PM 8/15/2016 1-37 PM	- 1+ Type Se Tes Decoment Tes Decoment Tes Decoment	5earch lay 28 24 KB 12 KB 2 KB	, interest of the second s	E • 0	
1 item	C) + Kramer Hetnoptt + AL Server + log Born New folder Name afferencing 2015 afferencing 2015 (0.110g dentelog bit	Date modified Bits2006 1:30 PM Bits2016 1:37 PM	fg Type Si Tret Decomment Ted Decomment Ted Decomment Ted Decomment	5count log 24 KB 12 KB 2 KB	Ann	⊨ . 0	
1 item	C) + Kramer Helsonis + AL Server + Keg Barn New Tolder Name ServerLog 2016,00,14 keg destelcigate	Date modified BUSCOIS LID PM BUSCOIS 607 PM BUSCOIS 607 PM	fype Si Test Deconent Test Deconent Test Deconent	24 KB 2 XB		⊨ . 0	

Figure 28: Saving the Log

Figure 29 Shows an example of a Log file.

📄 alServerLog.txt - Notepad
Eile Edit Format View Help
<pre>15/08/2016 06:32:41.826[DEBUG AL: Current Directory: C:\kramer Network\AL Server\ 15/08/2016 06:32:43.935[INF0] AL: Start The Adaptation Layer Server 1.010.0 15/08/2016 06:32:43.935[INF0] AL: Start The Adaptation Layer Server 2.0.010.0 15/08/2016 06:33:18.435[INF0] AL: Start JsonRpc Server cannot be started because the settings, json was not f 15/08/2016 06:33:18.435[INF0] directoryName: C:\kramer Network\AL Server 15/08/2016 06:33:28.376][INF0] directoryName: C:\kramer Network\AL Server 15/08/2016 06:33:28.76][INF0] directoryName: C:\kramer Network\AL Server 15/08/2016 06:33:28.76][INF0] directoryName: C:\kramer Network\AL Server 15/08/2016 06:33:28.73[INF0] directoryName: C:\kramer Network\AL Server 15/08/2016 06:33:28.76][INF0] directoryName: C:\kramer Network\AL Server 15/08/2016 06:33:28.396[INF0] DC: Discore all devices 15/08/2016 06:33:20.64[INF0] DC: Discore all devices 15/08/2016 06:33:20.64[INF0] DC: Discore all devices 15/08/2016 06:33:20.64[INF0] director\kramer Network\AL Server 15/08/2016 06:33:20.64[INF0] DC: Discore all devices 15/08/2016 06:33:20.64[INF0] DC: Discore all devices 15/08/2016 06:33:20.64[INF0] DC: Discore all devices 15/08/2016 06:33:20.64[INF0] AL: Web> AL : GetAllAttributes 15/08/2016 06:33:20.64[INF0] AL: AL> Web : ["allAttri": "Yendor": "Tevice Info, vendor". "IsReadonly": " 15/08/2016 06:33:20.64[INF0] AL: AL> Web : ["allAttri": "Yendor": "Device Info, vendor". "IsReadonly": " 15/08/2016 06:33:20.64[INF0] AL: AL> Web : ["allAttri": "Yendor": "Tevice Info, Vendor". "IsReadonly": " 15/08/2016 06:33:20.64[INF0] AL</pre>
["FullName": "Analog Audio out.volume", "IsReadonly": "AnalogAudioutRute=rrue". "TypeId": "int", "Min": 0, "Wax":100, "Hdm TayTmageAppearanceBrightness": "FullName": Tange Appearance, Brightness". "TypeId": "int", "Min": 0, "Wax": 1000, "HdmiDi inwidth": {'FullName": Encoding Data.Frame Size Origin Width", "ISReadonly": EncodingDataFrameSizeOrigin=UseInputFram x". "TypeId": "int", "win": 0, "Wax": 51], "EncodingDataQPMinP": {FullName": "FullName": "EncodingDataFrameSizeOrigin=UseInputFram x". "TypeId": "int", "win": 0, "Wax": 51], "EncodingDataQPMinP": {FullName": "EncodingData.Quantization Parameter P-Frame I eId": String", "MulticastTimeToLive": {FullName": "Multicast.Time ToLive", "TypeId": "int", "Min": 1, "Max": 255], "Multic ewortwidth: {FullName": "Estream Data Source.view Width", "TypeId": "int", "Min": 1, "Max": 2000), "StreamDataViewPortHei e": "Network.ConnectionStatus Lan!", "IsReadonly": "true", "TypeId": "string", "Analues: "Louinitialized, u y": "true", "TypeId": "string", "IndexedTo!": "InputNumber", "InputId": "fullName": "CapIIName": "AllowedValues": "uninitialized, u y": "true", "TypeId": "string", "IndexedTo!": "InputNumber", "InputId": "fullName": "RoomStatus": "TypeId": "int", "Ing, "Roomstrile", "NypeId": "string", "AllowedValues": "uninitialized, u ";" "sullName": "String", "IndexedTo!": "InputNumber", "InputId": "fullName": "RoomStatus": "TypeId": "string", "Roomstring", "Roomstrile", "TypeId": "string", "AllowedValues": "uninitialized, u ";" "sullName": "String", "IndexedTo!": "InputNumber", "InputId": "fullName": "RoomStatus": "TypeId": "string", "Roomstring", Roomstries: "String", "AutributeList": []} 15/08/2016 06:34:02.419]TRACE AL: Web> AL : Select { "DeviceId": "", "AttributeList": []}
15/08/2016 06:34:03.048 TRACE AL: AL> Web : {"DeviceList":[]}
15/08/2016 13:37:06:345 [DEDUG AL: Current Directory. C. Namer Network (AL Server) 15/08/2016 13:37:06:345 [DRO] AL: Start The Adaptation Layer Server 1.0.101.0
15/08/2016 13:37:11.048 INFO AL: The Adaptation Layer Server cannot be started because the settings.json was not f 15/08/2016 13:37:43.142 INFO directoryName: C:\Kramer Network\AL Server 15/08/2016 13:37:43.298 INFO start JsonRpc service on 0.0.0.3334 15/08/2016 13:37:43.517 INFO directoryName: C:\Kramer Network\AL Server 15/08/2016 13:37:43.508 INFO directoryName: C:\Kramer Network\AL Server 15/08/2016 13:37:47.955 INFO directoryName: C:\Kramer Network\AL Server 15/08/2016 13:37:47.955 INFO directoryName: C:\Kramer Network\AL Server
15/08/2016 13:37:30.01/ INFO DC: Discover all devices
15/08/2016 13:38:13.029 TRACE AL: Web> AL : cetAllAttributes 15/08/2016 13:38:13.029 TRACE AL: Web> Web : "allAttri'{"vendor":{"FullName":"Device Info.Vendor", "IsReadonly": {"FullName":"Analog Audio Out.Volume", "IsReadonly": "AnalogAudioOutMute=True", "TypEId": "int", "Min":0, "Max":1000; "Hdm layImageAppearanceBrightness":{"FullName": "Image Appearance.Brightness", "TypEId": "int", "Min":0, "Max":1000; "Hdm inwidth": "FullName": "Encoding Data.Frame Size Origin width", "IsReadonly": EncodingDataFrameSizeOrigin=UseInputFram x", "TypEId": "int", "Min":0, "Max":51}, "EncodingDataFrameSizeOrigin=UseInputFram ", "TypEId": "int", "Min":1, "Max":525}, "Multica iewPortwidth": "FullName": "Stream Data Source.view Width", "TypEId": "int", "Min":1, "Max":2000), "streamDataViewPortHei ": "Readonly": "RS232.Data Bits", "IsReadonly": "KS232Enable=False", "TypEId": "string", "AllowedValues": "Uninitalized, u ", "true", "TypEId": "string", "Indexedfor": "InputId": "FullName": "TypEId": "string", "AllowedValues: "Uninitalized, u ", "true", "TypEId: "string", "Indexedfor": "InputId": "FullName": "RoomStatus.", "TypEId": "string", "AllowedValues: "Uninitalized, u ", "crue", "TypEId: "string", "RoomStatus": "InputId": "FullName": "String", "AllowedValues: "Uninitalized, u ", "string": "string", "Indexedfor": "InputId": "FullName": "RoomStatus.", "TypEId": "string", "AllowedValues: "Uninitalized, u ", "string": "String", "RodeC: AL: Web> AL: Select: {"DeviceId": ", "AttributeList": [] ", "AttributeList": []

Figure 29: Log File

2.1.2 Database Menu

Use the Database menu to backup and restore the database. The database comprises the entire project. You can also reset the database, thus deleting the entire project.

🔣 Kram	er Networ	k Administrator Utilities	- ×]
Services	Database	Users Help	
	Backu	ip Database	_
	Resto	re Database from Backup	
O	Reset	Database to Default	
Ø	🗙 🔵 Ad	apter Layer	
0	😑 We	eb Server (Apache)	
0	😑 My	SQL	
Database	e Version: 2		

Figure 30: Database Menu

Before resetting your database, the following warning message appears:



Figure 31: Database Reset Warning

Click OK to reset the database.

We recommend that you backup the database file (*knb) to your computer before upgrading the firmware.



The database backup can be restored only to the same firmware version. You cannot restore the database to a new version of the firmware.

When upgrading to a newer firmware version, the project automatically keeps the database so there is no need to restore the database to the latest version.

When backing up the database, record the database version number (2 in this example, in the lower part of the Utilities window) in case you need to restore from this backup. When restoring the database, the database version must match the firmware version.

If you encounter a problem with the software upgrade procedure, you need to install the previous software version and only then restore the database.

2.1.3 Users Menu

The Users menu enables resetting the Super password (the Super password cannot be changed from within **KRAMER NETWORK**) and viewing the current logged-in users.

🔣 Kram	er Networ	k Admi	nistrator Utilities – ×		
Services	Database	Users	Help		
		Re	eset SU Password		
	34 A K-	Sł	how Logged-in Users		
0	🗙 🕘 Ad	Adapter Layer			
0	😑 W	eb Server (Apache)			
0	😑 My	SQL			
Database	e Version: 2				

Figure 32: Users Menu

2.1.4 Help Menu

The Help menu shows the Administrator Utilities version and Kramer contact details.

bout Kramer Network Administrator Utilities		×	
KRAMER	VER SI June 2010 KRAMER 3 Am Vec Jerusale Tel: Fax: E-mail: Web:	ON 1.0.0.2 5 ELECTRONICS, Ltd. blamo St. m, Israel 95463 +972 73 2650200 +972 2 6535369 info@kramerel.com www.kramerelectronics.com	
© 2016 Kramer Electro	nics, Ltd., al	ll rights reserved	ОК

Figure 33: Help Menu

3 Opening KRAMER NETWORK 1.0 Client

Before opening the KRAMER NETWORK Client, make sure that the KN Server is running.

Open a Web browser and type http://localhost/ in the URL.

3.1 Request License Form

When you first open the **KRAMER NETWORK** Client a registration form appears:

	×	
KRAMER	NETWORK	
Regis	tration	
james	green	
evergreen	Select country	
dphilosoph@kramerel.com	Phone number	
Select license type	•	
Request	New License	

Figure 34: Kramer Network Registration Form

Fill in all the fields in the form and click Request New License. The license request window appears:

Lice	ense request	for MAC	68-05-ca-	06-ed-e5
0A30303030303 140666473647 627261422026 06D6F630A6E	030313A737961640 733A6C69616D650 32061756769746E4 E65736F723A656D	0A30333A73)A333231333 413A797274(616E5F7473	656369766564 1323331323A6 E756F630A66 616C0A616D6	0A6473612E616473 56E6F68700A61647 647366643A796E61 9733A656D616E5F7
737269660A3	5652D64652D3630	2D61632D3	5302D38363A6	3616D0A
In order to get lice	nse, send the license k	key to: <u>kramern</u>	etwork@kramerel.	com , with one of the
In order to get lice following options: • Copy to cl	inse, send the license k	key to: <u>kramern</u> the email text.	etwork@kramerel.	<u>com</u> , with one of the
In order to get lice following options: • Copy to cl • Send by el • Save as fi attachmen	inse, send the license k lipboard - and past it to mail - will select the de le - will download the fi t.	key to: <u>kramern</u> the email text. fault email on t ile to the defaul	etwork@kramerel. his computer. t browser location.	com , with one of the Send this file by email a

Figure 35: License Request Window

3.2 Login to Kramer Network 1.0 Client

Once the file is uploaded, the client prompts you to login:

AMER NETWO	RK	
	Welcome	
	KRAMER NETWORK	
	Username .	
	Pessward	
	Login	

Figure 36: KRAMER NETWORK Login

Enter the default super user login information:

- User: super
- Password: 12345

After login you are prompted to change the password.

Kramer Network × ← → C □ localhost/AngularProjects/Proj	ojects/KSMng/trunk/application/	A L O X ☆ 20 ∛ ≪ E Logout X
	Change Default Password Old Password New Password Retype New Password Change Cto	58

Figure 37: Changing the Default Password



Note that after server restart, all the services are automatically started.

4 Basic Troubleshooting

Generally the Utility menu monitors the **KRAMER NETWORK** system. When a problem occurs, the specific status indicator turns red.

When an indicator turns red:

- Click the refresh icon (or refresh via the Services menu).
 If the status indicator turns green, the problem is solved. If not continue to step 2.
- 2. Open the Services menu and select Show Log.
- 3. Click the eye icon (()) to save the log.
- 4. Contact Kramer Support (info@kramerel.com) and send them the KN log.
- 5. If recommended by Kramer Support, click the port setting button (\aleph) to set the ports.

Kramer Network	Server Setting ×
Internal RPC Port 1:	3333
Web Socket Port:	9000
	CANCEL APPLY

Figure 38: Server Setting Window



Do not change the port settings unless Kramer Support recommends doing so.

4.1 Common Serving Error Messages

This section describes common server error messages and their solutions.

1. Error: ALS Communication problem



Solution: Go to the Administrator Utilities program and restart the Adapter Layer.



2. Error: Kramer Network Server is down

Server Error
Cannot connect to application notification server, trying to reconnect in 3 second
or
Server Error
Cannot connect to application server, please open the application and refresh the page.

Solution: Go to the Administrator Utilities program and restart KRAMER NETWORK.

3. WAMP Server is down.



Solution: Go to the Administrator Utilities program and restart the Web Server and MySQL.