

IRIS-Net V4.0.0 Release Notes

Welcome to IRIS-Net. This document contains late-breaking product information, updates, and troubleshooting tips not covered in the IRIS-Net documentation

What's new in IRIS-Net V4.0.0

IRIS-Net V4.0.0 includes the following new features and enhancements

- New Dynacord Multi-Channel Power Amplifiers for Live Sound and Fixed Install Applications:
 - TGX Series: TGX10, TGX20
 - IPX Series: IPX5:4, IPX10:4, IPX10:8, IPX20:4
 - TGX/IPX Manual available in the IRIS-Net Help menu

Important Note:
A 64-Bit Operating System is mandatory for operation of IPX and TGX amplifiers in IRIS-Net.
- New features of the PAVIRO PA Systems:
 - Extended Logging
 - CCCF Behaviour Setting (for compliance with Chinese regulations)
 - Static Routing
 - Output Delay
 - EOL Improvements
 - Paging Request ID Visualization
- New features of the PROMATRIX 6000 PA Systems:
 - Extended Logging
 - Output Delay
 - Static Routing
 - EOL Improvements
 - DPM4000 Interface Improvements
 - Paging Request ID Visualization
- New features of the PROMATRIX 8000 PA Systems:
 - Extended Logging
 - DPM4000 Interface Improvements
 - Paging Request ID Visualization
- New/updated Speaker Settings for Electro-Voice and Dynacord loudspeakers:
 - Electro-Voice: ZLX, ELX, ELX200, EKX, TX, EVC, X12-125F loudspeakers / loudspeaker series added; X1, X12-128 loudspeaker settings updated
 - Dynacord: Updated settings for D8, TS100, TS200, new setting to emulate the Xa4000 system amplifier.
- New versions of included software tools
 - Audinate Dante Controller V4.0.6.5
 - OMNEO Firmware Upload Tool V6.10.5653.0
- New/updated documentation:
 - IRIS-Net sub-folder \Documentation\Support Information:
 - ApplicationNote_PAVIRO_StaticRouting_EN_v1.0.pdf
 - ApplicationNote_PAVIRO_StaticRouting_DE_v1.0.pdf
 - ApplicationNote_PM6000_StaticRouting_EN_v1.0.pdf
 - ApplicationNote_PM6000_StaticRouting_DE_v1.0.pdf

- **New Firmware Versions:**
 - TGX: V1.0.34
 - IPX: V1.0.34
 - N8000: V1.25.0
 - DPM 8016: V1.20.0
 - DPA 8000: V1.9.0
 - DPC 8015:V2.4.0
 - PAVIRO: CON V1.20.0, CST V2.4.0, RTR V1.6.1
 - PROMATRIX 6000: CON V1.20.0, CST V2.4.0, RTR V1.6.1

- **Important Improvements / Bug Fixes:**
 - PM6000/PM8000/PAVIRO: Fixes a bug where network time synchronization was not working for all controllers to be used as time masters
 - PM6000/PAVIRO: Fixes a bug where pre-chimes are cut off under certain conditions
 - PM60000/PAVIRO: Fixes a bug where priority relays were not working for business music and impedance measurement
 - PM6000/PAVIRO: Fixes a bug where only one local input was usable simultaneously in a system
 - PM6000/PAVIRO: Fixes a bug where wrong handling of numeric zone selection feature led to frozen CST display
 - PM6000/PAVIRO: Fixes a bug where supervised GPI fault monitoring was not clearing a fault automatically
 - PM8000: Fixes a bug where impedance measurement tone was audible on all zones
 - PM8000: Fixes a bug where Audionet Connection errors occurred on large systems
 - N8000: Fixes a bug where PWS devices are not detected after Power Cycle / Reset
 - N8000: Fixes a bug where some DSP parameters were not stored in presets

Important Note for DPM8016 / PMX-4CR12 / PVA-4CR12:

When a controller device shall be updated from firmware CON_V1.17.X or lower to FW CON_V1.19.0 or higher, a bootloader update is required. Therefore please first install CON_V1.18.0.X.BL, wait a few minutes, power cycle the system and then update to the designated firmware.

EN 54-16

The installer of an EN 54-16 compliant system must ensure that he uses certified firmware running on the devices. Information on which firmware versions are applicable can be found on the DoP.

For an EN 54-16 compliant system, only certified network devices are allowed, please refer to DoP.

Speaker Settings

The following Speaker Settings were created for use with Electro-Voice or Dynacord FIR-Drive controllers or amplifiers, which currently includes the Dx46 / DSP 600, RCM-26, RCM-28, NetMax N8000 / P64, Dynacord L & C series amplifiers, and Dynacord IPX & TGX series amplifiers.

Electro-Voice Speaker Settings are now divided into three categories: Concert, Install, and Portable. The time alignment of install and portable speakers to the common subwoofers is the same since there is some similarity in the applications of these products (some portable speakers have fly points, for example), so subwoofers from each category can readily be used with speakers from the other. The time alignment of concert sound products to the common subwoofers is different due to the large format speakers (such as X-Line XVLS and XVLT) which can be used with these subwoofers. To determine which category your product would be filed under, consider the following:

- Portable sound products feature handles and rubber feet and often have pole cups.
- Install sound products feature threaded fly points or bolt-on rigging but do not have handles or pole cups.
- Concert sound products feature quick-attach rigging (L-Track or quick-release pins)
 - Speakers or subwoofers without rigging are categorized as concert sound if the full range models (tops) from the same family are categorized as concert sound.
 - Although XLCi is an install product, it is acoustically the same as touring XLC, so the concert sound XLC speaker settings are compatible with XLCi.
 - The majority of concert sound speaker settings include the EV TEMP limiter (Thermal Energy Management and Protection limiter). This limiter in combination with the EV PA (Peak Anticipation) limiter provides superior protection for your transducers and PA.

X-LINE ADVANCE

The X-Line Advance FIR-Drive speaker settings library includes settings for the X1-212/90, X1-212/120, X2-212/90, and X2-212/120 models for use in a variety of modes or positions, with the selection of speaker settings guided by LAPS3. Please refer to the Drive Report in LAPS3 to choose the correct mode for your application. Speaker settings for all X-Line Advance models are included with IRIS Net with the exception of X2, which are available by request through your regional Applications Engineer.

The X1-212/90 and X1-212/120 version 2.0 speaker settings are time-aligned to allow multi-pattern array creation, with the restriction that only one amplification mode can be used within a single array (either biamp or passive). Do not mix biamp and passive within the same array, and do not mix X2 and X1 models within the same array. Speaker settings for the X1 models are supported in the following Electro-Voice and Dynacord FIR-Drive loudspeaker controllers: RCM modules for EV Tour Grade / Dynacord PowerH series amplifiers, EV Dx46 / Dynacord DSP 600, EV NetMax N8000 / Dynacord P64, Dynacord L & C series amplifiers, Dynacord IPX / TGX series amplifiers.

The X2-212/90 and X2-212/120 version 2.0 speaker settings are also time-aligned to allow multi-pattern array creation. Do not mix X1 and X2 models within the same array. Speaker settings for the X2 models are supported only in the RCM-28 module in combination with the TG7 Tour Grade amplifier, and in specific configurations of the Dynacord IPX / TGX amplifiers.

The X12-128 version 2.0 speaker settings are time-aligned to be positioned directly underneath an X-Line Advance series array or underneath other Electro-Voice touring, concert, or install line array models utilizing FIR-Drive processing and an 80Hz high pass filter, such as X-Line and X-Line Compact (XLC / XLCi).

The X12-128 subwoofer level and equalization is set for a 1/2 ratio of subs to X1-212 or X2-212. Subwoofer output level and alignment delay may need to be adjusted for your application.

Speaker settings for the X12-128 is supported in the following Electro Voice FIR-Drive loudspeaker controllers only in combination with the TG7 Tour Grade amplifier using the RCM-28, RCM-26, Dx46, or NetMax N8000. Specific configurations of the Dynacord IPX / TGX amplifiers are also supported.

The X12-125F version 1.0 speaker settings are time aligned to be flown above, beside, or underneath an X-Line Advance series array in a variety of modes and crossover points. The selection of the appropriate speaker

setting is guided by LAPS3; please refer to the Drive Report in LAPS3 to choose the correct mode for your application.

When X12-125F is used as an upper-bass element, and additional mode for X12-128 as a sub-bass element at a crossover of 70Hz is possible.

The X12-125F subwoofer level and equalization is set for a 2/3 ratio to X1-212 or X2-212. Subwoofer output level and alignment delay may need to be adjusted for your application.

Settings for the X12-125F located in the common subwoofers directory of the concert speaker settings are available for use with other Electro-Voice touring, concert, or install line array models such as X-Line, X-Line Compact (XLC / XLCi), and X-Line Very Compact (XLD / XLE).

Speaker settings for the X12-125F models are supported only in the Electro-Voice TG-7 with RCM-28 module, and in specific configurations of the Dynacord IPX / TGX amplifiers.

If you have questions or comments about the presets, please contact the EV Technical Support group within your region. Contact information for support in your region can be found via the Electro-Voice website:

<http://www.electrovoice.com/contact.php>

X-LINE

The preset options for the X-Line system are the X-Line FIR Drive v2.1 (standard EV flat preset) and the X-Line FIR Drive v2.1M (Musical preset). You may choose which preset best suits your tastes.

NOTE: Do not mix the standard preset with the musical preset.

Subwoofers are time-aligned and level-adjusted to be flown in the same array, or in an array directly next to the main hang. The subwoofer level is set for a 1/1 ratio of subwoofers to top boxes. Subwoofer output level and alignment delay may need to be adjusted for your application. The Xvls and Xvlt presets are time-aligned to allow multi-pattern array creation. No acoustic changes have been made from X-Line FIR v1.1 settings. TEMP limiter changes have been made from X-Line FIR Drive v2.0 to v2.1.

X-LINE COMPACT (XLC)

The preset options for XLC-DVX are the XLC-DVX FIR Drive v2.1 (standard EV flat preset) and the XLC-DVX FIR v2.1M (Musical preset). You may choose which preset best suits your tastes.

NOTE: Do not mix the standard preset with the musical preset.

Subwoofers are time-aligned and level-adjusted to be flown in the same array, or in an array directly next to the main hang. The subwoofer level is set for a 2/3 ratio of subs to top boxes. Subwoofer output level and alignment delay may need to be adjusted for your application.

The XLC127DVX and XLC907DVX presets are time-aligned to allow multi-pattern array creation. All presets provided in this folder contain 80 Hz crossovers between the subwoofers and the top boxes. For higher power application, 100 Hz crossover presets are available upon request.

No acoustic changes have been made from XLC-DVX FIR v1.0. PA limiter and TEMP limiter changes have been made from XLC-DVX FIR Drive v2.0 to v2.1

X-LINE VERY COMPACT (XLD & XLE)

EV XLD loudspeakers provide a unique ability to control the horizontal dispersion pattern down to fairly low frequencies.

The presets in this folder provide several options. The XLD281 provides 120 degrees of coverage and the XLD291 provides 90 degrees. It is important that you match the loudspeaker setting to the speaker. Do not apply XLD281 settings to the XLD291 loudspeaker or vice versa.

The XLD-FIR v2.1 presets provide improved polar and acoustic response while allowing the speakers to be used in multi-pattern XLD arrays without special settings. PA and TEMP limiter parameters were adjusted but no acoustic changes have been made from XLD-FIR v2.0 to v2.1.

Subwoofers are time-aligned and level-adjusted to be flown in the same array. The subwoofer level is set for a 1/4 ratio of subwoofers to top boxes. Subwoofer output level and alignment delay may need to be adjusted for your application.

The XLE181FIR and XLE191FIR v2.0 presets are time-aligned to allow multi-pattern array creation. Subwoofers are time-aligned and level-adjusted to be flown in the same array. The subwoofer level is set for a 1/4 ratio of subwoofers to top boxes. Subwoofer output level and alignment delay may need to be adjusted for your

application. No acoustic changes have been made from XLE FIR Drive v1.0. TEMP limiters have been included in the v2.0 release.

EV-INNOVATION

The EV-Innovation family provides a library of speaker settings with consistent voicing across each series of speaker models, making it straightforward to use products from the various series within the same installation, particularly in regards to the usage of subwoofers. Certain restrictions apply to the arraying or clustering of fullrange speakers, which are described in the below paragraphs.

EVC FIR version 1.0 speaker settings offer passive operation in both Full Range (FR) and for use with EV-Innovation subwoofers crossed over at 100 Hz (100). The Full Range settings are for standalone use, without subwoofers. Unlike EVF and EVH, overlap mode with subwoofers is not supported by the EVC fullrange models. The EVC series is not arrayable. TEMP limiter thermal protection is included in the EVC1181S subwoofer speaker setting.

EVF version 1.2 speaker settings offer biamp operation for both Full Range (FR) and for use with EV-Innovation subwoofers crossed over at 100 Hz (100). The Full Range settings may be used standalone or with EV-Innovation subwoofers in an overlap mode as the FR time alignment is pre-configured to support this. EVF models are also time aligned for use alongside EVH models, and can therefore be readily used within the same cluster or array. While the EVF-S subwoofers and the EVF-D subwoofer can be used and arrayed interchangeably with either "S" or "D" fullrange models, do not use "S" fullrange models with "D" fullrange models within the same array. All EVF speaker settings include TEMP limiter thermal protection.

EVH version 1.2 speaker settings offer biamp Full Range operation, which can be used standalone or in overlap with EV-Innovation subwoofers as the time alignment is preconfigured to support overlap mode. EVH models are also time aligned for use alongside EVF models, and can therefore be readily used within the same cluster or array. While the EVF-S subwoofers and the EVF-D subwoofer can be used and arrayed interchangeably with either "S" or "D" fullrange models, do not use "S" fullrange models with "D" fullrange models within the same array. All EVH speaker settings include TEMP limiter thermal protection.

Due to sensitivity differences between EVC, EVF, EVH, and the EV-Innovation subwoofers, level matching may be required. Do not mix full-range (FR) and with-subwoofer (100) settings for fullrange speakers in a cluster or array, and do not mix speakers in passive mode with speakers in biamp mode within the same array. Do not mix "S" fullrange models with "D" fullrange models in the same array.

If you have questions or comments about the presets, please contact the EV Technical Support group within your region. Contact information for support in your region can be found via the Electro-Voice website:

<http://www.electrovoice.com/contact.php>

PORTABLE

In portable you will find new speaker settings for ZLX, Live X (ELX), ELX200, EKX, and Tour X (TX). For each speaker family there's a folder for full-range application and another folder for applications with subwoofers crossed over at a frequency of 100 Hz. The subwoofer of all these families are available in a common folder "subwoofer", they are uniformly time aligned to allow for using subwoofers from one family along with tops from another. The speaker settings for the families listed above all support a unique overlap option where a subwoofer can be used with a speaker in full-range mode if extra low frequency output is required from your system, or you do not have enough subwoofers for your application.

Known Issues

PROSOUND / GENERAL

After installing IRIS-Net V4.0.0, please be aware of the following issues when using the product:

- The IRIS-Net Software V2.9.1 is the last version supporting TPI-8 and TPI-12. Please contact the Support Team for further assistance
- Project files including Dante configuration cannot be used on TPI Touch Panels.
- If a software firewall is installed on your PC, the firewall settings must allow all required actions of the IRIS-Net application. The firewall settings may vary for different IRIS-Net versions.
- When opening a project file created with an older version of IRIS-Net use „Save as“ to create a backup of the project file to avoid data loss.
- With some versions of Windows OS, when language settings have specific special characters, it may happen that some fonts are not completely shown. In this case, change the language settings – local settings to “English” Going online (write) to RCM-24 remote amps using an N8000 with CAN baud rate 10 kbit/s is not possible
- Invalid baudrate settings of N8000 and CAN devices (e.g. after N8000 firmware update) is not always handled correctly, manual power on/off of the connected CAN device is required
- The position of a DSP block in a chain of DSP blocks cannot always be reverse engineered correctly
- Scenes cannot be read from N8000 or P 64 when going online
- Copy and Paste of FIR Controller DSP blocks (2, 3, 4 and 5 band) of N8000 or P 64 is not possible
- When using a CM-1 CobraNet Interface Module (Revision E only) using 8 bundles with 8 channels each (20bit / 5.33 ms) is not possible.
- Please note the following limitations when going online to RCM-26 remote amplifiers or REV (UHF wireless microphone system) via an N8000 or P 64:
 - Only one single instance of the IRIS-Net application can access the amplifiers
 - The CAN-Bus load (data traffic) must be below 100%
 - There is no preloading of data from the amplifiers
 - The performance of VU meters is less responsive compared to a UCC1 interface
 - Amplifiers cannot be controlled from PWS or the Task Engine
 - The property Baud rate freeze of the amplifiers cannot be used
 - The handling of global amplifier data (e.g. Monitor, Find) may be unstable
- In very rare cases, it happens that DCS relays, connected to a N8000 or P 64, can not be controlled via IRIS-Net controls after reloading the project file. A workaround would be: right-click on DCS 400 device, select „Move to Background“
- When using multi-cast audio transmission, the minimum latency setting is 1 ms, even if lower latency is selected with the Dante Controller software.
- RCM-28/TGX/IPX (for further information please contact your local sales representative or the IRIS-Net customer support)
 - The job code transmission mechanism in the RCM-28/IPX uses UDP, which does not have the same delivery confirmation and retransmission characteristics as TCP. Due to this, while the operation and transmission of these codes is generally very stable and reliable, there is a very small chance that a message may be lost due to heavy network traffic. If job code or GPI functionality is needed for a mission-critical or life-safety application, it is recommended to use a network with enough free bandwidth and make sure that no other heavy network traffic can occur, or to use direct hardwiring to GPIs on each amplifier instead of job codes.
 - The RCM-28/TGX/IPX will not be supported by TPI-5.
- Dante networks require unique names for each device for proper functionality and operation. Please ensure that each device on a Dante network is given a unique name when configuring the devices and the network. Failure to provide a unique name for each device can lead to errors. Within a device, it is possible to rename the audio channels. Default names are provided automatically, but if these names are changed by a user, each channel name must be unique.
- In an N8000 or P 64 with an installed DM-1 card or OM-1 OMNEO Module, the Dante device name cannot be updated unless there is at least one Dante Input or Output that is connected to another block in the DSP Configuration Screen.
- The Update of DM-1 firmware to latest version may be interrupted when updating from version earlier than 3.4.2. If this occurs, update to 3.4.2 first.

- Due to the sophisticated supervision handling of the NetMax system, even short-term faults are detected.
- This may in specific cases lead to unwanted fault indications (for further information please contact the IRIS-Net customer support).
- IRIS-Net allows to control real-time system using lots of graphical control and indication elements. To avoid graphical issues, or in extreme cases an IRIS-Net crash, use a high-performance system (minimum system specification, see above) and keep open dialogs to minimum.
- When using RCM-28 Control Port / Job configuration for recalling user presets it can happen in some cases that the parameters are not stored in the IRIS-Net project file for presets U07 and above. It is recommended to check by reloading the IRIS-Net project file or to only use Tx/Rx jobs for recalling User Presets U01-U06.
- In some cases, event log settings of RCM-28 modules via Tools – Eventlog may not be set correctly. Please use the RCM-28 Supervision & Test page for Eventlog settings.
- When configuring large N8000 or P 64 configurations it may happen in rare cases that parameters are not transferred correctly between the devices and the PC resulting in an error message “Not all parameters could be loaded”. Please contact customer support for further details.
- If only a FIR-Drive LSC block is selected in the N8000 DSP tab, the right-click context for Copy and Paste is not available. Select an additional DSP object to enable the context menu.
- Disconnecting both Ethernet cables on an OM-1 OMNEO Module may in some cases cause an OM-1 processor reset

PROMATRIX 8000

After installing IRIS-Net V4.0.0, please be aware of the following issues when using the product:

- It is highly recommended to update all systems using IRIS-Net V2.4.0 or earlier. This also applies for the corresponding firmware of the devices (e.g. DPM 8016, DPC 8015, DPA 8000 series) included in the IRIS-Net software package.
- When a DPM 8016 has been operated with IRIS-Net V3.1.0 or newer, it must not be downgraded to a firmware operated with IRIS-Net V2.5.0 or lower.
- In seldom cases it can happen that a loudspeaker line failure is detected although the line is still OK. This especially happens when small speaker line loads are measured. To mitigate the failure in case it would occur, use larger tolerances or add a dummy resistor to the speaker line.
- In seldom cases, it happens that not all parameters are set correctly when the action "going online - send" is carried out before the complete booting process of the DPM 8016 is finished. To avoid this, it has to be waited until all devices are communicating with DPM 8016 (especially amplifiers) before starting the action "going online - send".
- If the REMOTE CAN BUS of the DPM 8016 was disconnected for a short time, it may happen that the connected DPA amplifiers do not indicate correct connection (by REMOTE LED) after reconnecting the REMOTE CAN BUS. To fix this situation disconnect the REMOTE CAN BUS for at least 1 minute.
- After a DCS 801R firmware update or going online - write, in some cases it may happen that in the first seconds after completion, a DCS fault (memory) is indicated which disappears after another few seconds. This is a known misinformation and can be ignored.
- When MM-2 messages have been configured with IRIS-Net version earlier than V2.10.0, it may happen that the link to entries at the pagings dialog, Task Engine blocks or DPC buttons needs to be re-configured (indication by configuration error).
- MM-2 modules must be configured to highest slot numbers (1 module - Slot 8; 2 modules – Slot 8 and Slot 7) to ensure correct audio transmission
- When assigning the Call Station key “Arrow up” with the function “Logical Key”, access to the menu may not be possible. In this case, please change the button configuration.
- When using the NRS 90193 DCF77 receiver, in an environment with low DCF77 signal level, the time synchronization may indicate a wrong time in very seldom cases (for further information please contact the PROMATRIX customer support)
- When the call station pilot tone supervision is enabled, and a second call station is connected to the same CST bus, a crackling noise may be heard.
- When PLN-EOL modules are used for line supervision, the system is not allowed to switch to standby mode

- When using Open Interface, only ASCII based characters are supported.
- Open Interface Port Range is limited to Ports 49152 – 65535
- When using the HotSwapper Tool for exchanging messages, the IRIS-Net file name must not contain any special characters.

PROMATRIX 6000 OR PAVIRO

After installing IRIS-Net V4.0.0, please be aware of the following issues when using the product:

- It is highly recommended to update the firmware of the devices (e.g. Controller, Router, Amplifier, Call Station) included in the IRIS-Net software package.
- When the EOL 8001 module is used, only use EOL 8001 hardware version v1.1 / SW version 1.1.0 (or newer) for PROMATRIX 6000. Module ID 59 and 60 must not be used with SW version 1.2.0 or older.
- In seldom cases it happens, that EOL modules are indicated as lost when Background Music is assigned. If this happens, please raise the volume of the pilot tone at the controller output.
- Reference values for impedance measurements shall be made for all loudspeaker lines used. Without reference values the short circuit detection (and deactivation of shorted loudspeaker lines) would not be possible.
- If a system has several line supervision types (EOL and IMP), it has to be taken care that line supervision types are not mixed at same background music channel.
- Rebooting the system when an announcement / paging is active may lead to a watchdog error, wrong status indication or noise at loudspeakers for a few seconds. Proposed solution when happening: wait for some seconds until system is in normal operating mode and reset the watchdog indication / system fault when applicable.
- Executing „Going online - send“ when the system is in standby mode may lead in seldom cases to a <standby> indication at the call stations although the system is in normal operation mode. Proposed solution when happening: set system manually to standby mode and then back to normal operation mode.
- Supervised call stations shall be connected to CST BUS 1 or CST BUS 2 ports at the controller. All other CALL STATION ports won't be supervised when the system is in standby mode.
- When call station pilot tone supervision is enabled, the VU metering at the "DSP" page of the Controller may indicate a peak signal every few seconds. This is caused by the supervision principle. If a second call station is connected to the same CST bus, a crackling noise may be heard.
- When configuring the connections between Amplifiers and Routers (Controller page "Topology/Zones"), it has to be assured that they represent a valid cabling. To support these checks, IRIS-Net supports validation rules for the most important connection options.
- Configuration Wizard: When choosing a 1-tone prechime at a Talk key, it may happen that settings are not correctly interpreted by IRIS-Net. In this case, configure the prechime in IRIS-Net.
- When assigning the Call Station key "Arrow up" with the function "Logical Key", access to the menu may not be possible. In this case, please change the button configuration.
- When using Open Interface, only ASCII based characters are supported.
- Open Interface Port Range is limited to Ports 49152 - 65535
- When using the HotSwapper Tool for exchanging messages, the IRIS-Net file name must not contain any special characters.
- Router Firmware Version may not be displayed in some cases after Firmware update
- Recommended CAN baudrate for Controller, Router and Amplifier is 250 Kbit/s. In case of a long distance to remotely located devices, use a lower baudrate according CAN specification. More details, see device manuals.

System Requirements

Processor:	Dual core CPU
OS:	Windows 7 (32-Bit or 64-Bit), Windows 8, Windows 8.1 or Windows 10 Project Generator or Dx46/DSP 600: The .Net framework (3.5sp1 or higher) is required.
Dante:	Windows 7 64-Bit recommended.
RAM:	2 GB (more is recommended)
Hard Disk:	2 GB of free space
Video:	1024x768, High Color (16 Bit)
Network:	Ethernet port and/or 1 USB port per 100 amplifiers Audio network: Gigabit Ethernet port

Installation of IRIS-Net

1. You will need administrator rights to install and run IRIS-Net on your PC.
2. Close all applications currently running on your system.

NOTE: IRIS-Net always includes the newest version of Audinate's Dante Controller. If you have installed either IRIS-Net or Dante Controller before, you must uninstall the existing version of Dante Controller before installing IRIS-Net. See chapter „Uninstalling Dante Controller“ below.

3. Do one of the following:
 - Insert the IRIS-Net CD or DVD in your drive, double-click Setup.exe to start the installation process.
 - If you downloaded the software from the web, open the folder and double-click Setup.exe to start the installation process.
4. Finish the installation by following the on-screen instructions.
5. Before starting IRIS-Net you must install the UCC1 (USB CAN interface) driver, if needed.
Please refer to section Installation of UCC1 driver below.

NOTE: A directory \IRIS-Net\V4.0.0 is generated by default in your program files directory. If you already have an IRIS-Net version installed on your computer a dialog may be displayed prompting you to select between Modify, Repair or Remove. Select Repair to update IRIS-Net with the newest version.

Installation of the Project Generator

1. Once IRIS-Net V4.0.0 has been installed the Project Generator application can be found in the start menu under All Programs/IRIS-Net V4.0.0. For advanced user it can also be found in \IRIS-Net V4.0.0\Tools\IRIS-Net Project Generator Build V2.3.03 in your program files directory. Note: This assumes the default installation location has been used.
2. Click on 'Project Generator' in the start menu entry to install the application, or double click on the file 'setup.exe' to install the Project Generator from the advanced location above.
3. The Project Generator will start automatically once installation has finished.
4. A shortcut will be added to your Start Menu\All Programs in the IRIS-Net Project Generator folder.
5. Read the 'User Guide' available in the Project Generator folder on the Start Menu/All Programs or in the 'Help' menu of the Project Generator application to get started. This is a pdf file so a pdf reader, such as Adobe Acrobat, will be required.

Additional notes on installing the Project Generator

1. It is possible to have multiple different versions of the project generator installed simultaneously although it is usually recommended to only use the latest version. Older versions can be removed before installing the latest version by going to 'Start Menu\Control Panel\Add or Remove Programs' then select 'IRIS-Net Project Generator' from the list and click the 'Change/Remove' button. Follow the on screen instructions to remove the application then complete the steps to install the latest version of the Project Generator above.
3. The Project Generator requires the Microsoft .NET Framework Version 2.0 or later. Many other software applications also use this framework so it is quite possible it is already installed on your computer. If it is not installed, provided you have an internet connection available, it will be downloaded from the Microsoft web site and installed automatically before the Project Generator is installed. If you prefer to make the download yourself it can be found at:
<http://www.microsoft.com/downloads/>

NOTE: The .NET framework must be installed before the Project Generator can be installed.

Uninstalling IRIS-Net

CAUTION: Uninstalling IRIS-Net deletes all user-created files, e.g. project files, speaker files/settings or user controls. If you want to keep any of these files copy them to another directory on your hard disk before starting the uninstallation process.

1. You will need administrator rights to uninstall IRIS-Net from your PC.
2. Close all applications currently running on your system.
3. Do one of the following:
 - In Windows XP, open the Windows Control Panel and double-click Add or Remove Programs. Select IRIS-Net, click Change/Remove, and then follow the on-screen instructions
 - In Windows Vista or 7, open the Windows Control Panel and double-click Programs and Features. Select IRIS-Net, click Uninstall/Change, and then follow the on-screen instructions.

Uninstalling Dante Controller

To uninstall Dante Controller, click Start > Programs > Audinate > Dante Controller > Uninstall, or:

1. Click Start > Control Panel > Programs and Features.
2. Select Dante Controller from the list of installed applications.
3. Select Uninstall at the top of the Programs and Features window (or right-click the Dante Controller entry and select Uninstall).

NOTE: If you also have Dante Virtual Soundcard (DVS) on your PC, restart the PC following the IRIS-Net installation to reset the communication service between IRIS-Net and DVS.

Installation of UCC1 driver

1. Connect the UCC1 to a free USB port on your PC.
2. Windows will recognize a new USB device and ask for the software driver. Enter the drive and pathname where the UCC1 driver („pcan_usb.inf“ and „pcan_usb.sys“) is located: \Program Files\IRIS-Net V4.0.0\Driver\ PEAKCAN is the default location
3. Finish the installation by following the on-screen instructions.

NOTE: If installing or running the UCC1 driver at your PC does not work properly, please check for driver updates at the PEAK-Systems website: <http://www.peak-system.com/Support.55.0.html>

Updating Firmware

Please ensure your devices are updated with the latest firmware. Please refer to the IRIS-Net online help for firmware update instructions. Latest firmware versions for all supported devices can be found in following directory after installation of IRIS-Net: \IRIS-Net V4.0.0\Firmware

Technical Support Information

Found a bug? Please contact IRIS-Net Customer Support. They can help you resolve issues and they can also log bugs.

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