

IRIS-Net V1.7.1 Release Notes

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

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System Requirements

Processor:	Intel Pentium III 500 MHz or equivalent (better is recommended)
OS:	Windows 2000, XP or Vista (32 Bit versions only, Vista users: see installation note below)
RAM:	256 MB (more is recommended)
Hard Disk:	100 MB of free space
Video:	1024x768, High Color (16 Bit)
Network:	Ethernet port and/or 1 USB port per 100 amplifiers

What's new in IRIS-Net V1.7.1

IRIS-Net V1.7.1 includes the following new features and enhancements:

- NetMax N8000:
 - New digital audio output card (DO-1) providing 4 AES/EBU outputs
 - Enhanced wiring functionality for DSP blocks and Task Engine objects (create/delete nodes, move nodes/line segments, change color of lines, branch from nodes, create parallel connections to the DSP block that was connected last by pressing key 0 for all available inputs on the DSP block or key 1,2,3... for creating 1,2,3... lines, available for most DSP blocks)

- Copy&paste of DSP blocks including block wiring and parameter settings available via context menu
- Customizable „ $n \times m$ ” versions of following DSP blocks allows the selection of the number of inputs and outputs when adding the block to DSP configuration: Matrix Mixer, Priority Matrix Mixer, Matrix Router, Router and Mono/Stereo Mixer
- Enhanced Priority Matrix, selectable Priority Mode (horizontal/vertical) and CONFIRM LINE CHANGE dialog
- Improved handling of remote amplifiers using the RCM-26 remote control module
- CAN baudrate is stored in project file, is indicated in offline mode, read from device when going online and editable in online mode
- Every DSP block (having input and output ports, e.g. PEQ) used in DSP configuration must have at least one input and one output node wired (this means there are no „open ends” allowed in a DSP configuration). If there are any open ends going online is not possible.
- Project Files for Dynacord PowerH H 5000 remote amplifiers: Following project files including Speaker Settings V1.0 and Speaker Impedance References are available (see folder /Projects/DYNACORD Cobra):

Project File	Description	Speakers		H 5000 Amplifiers
		Left	Right	
Cobra-2-SUB-FIR-1.0.ds	Basic Cobra-2 system	2 x Cobra-Top 2 x Cobra-Sub	2 x Cobra-Top 2 x Cobra-Sub	1 x Top 1 x Sub
Cobra-2-PWH-FIR-1.0.ds	Cobra-2 system using Cobra-PWH instead of Cobra-2-Subs	2 x Cobra-Top 2 x Cobra-PWH	2 x Cobra-Top 2 x Cobra-PWH	1 x Top 1 x Sub
Cobra-4-4Amp-FIR-1.0.ds	Basic Cobra-4 system, using 1 system rack	1 x Cobra-4-Far 2 x Cobra-4-Top 4 x Cobra-PWH	1 x Cobra-4-Far 2 x Cobra-4-Top 4 x Cobra-PWH	1 x HF 1 x MF 1 x LF 1 x Sub
Cobra-4-2x2Amp-FIR-1.0.ds	Basic Cobra-4 system, using 2 system racks	1 x Cobra-4-Far 2 x Cobra-4-Top 4 x Cobra-PWH	1 x Cobra-4-Far 2 x Cobra-4-Top 4 x Cobra-PWH	Rack 1 (left): 1 x MF/HF 1 x Sub / LF Rack 2 (right): 1 x MF/HF 1 x Sub / LF
Cobra-4-5Amp-FIR-1.0.ds	Cobra-4 system, using 2 amplifiers for PWHs (4 ohms load)	1 x Cobra-4-Far 2 x Cobra-4-Top 4 x Cobra-PWH	1 x Cobra-4-Far 2 x Cobra-4-Top 4 x Cobra-PWH	1 x HF 1 x MF 1 x LF 1 x Sub 1 1 x Sub 2

- Project Generator:
 - Support for multiple interfaces. Very large projects which require more than one interface (UCC1, PCI etc.) can now be built with the Project Generator.
 - New: The Project Generator can now handle N8000 and P64 devices including connected PWS wall stations and DCS control systems. See the 'User Guide' available in the 'Help' menu of the Project Generator application for more information on using N8000 and P64 devices in a project.
 - Maximum number of amplifiers has been increased. The Project Generator can

now handle up to 250 amplifiers in a single project.

- Version numbering is now the same as IRIS-Net (IRIS-Net V1.7.x = Project Generator V1.7.x) to make it easier for users to check the Project Generator is optimised for their current version of IRIS-Net. It is recommended that you use the same version number of the Project Generator as you are using for IRIS-Net.
- TPI Touch Panels: The IP network port used for updating the project file (or IRIS-Net application) at a TPI device changes from 21 to 5000. Depending on the version of IRIS-Net currently running at the TPI, following port has to be set manually (via property „updateport” of IRIS-Net worksheet) before updating:
 - IRIS-Net version at TPI < V1.7.0: updateport = 21
 - IRIS-Net version at TPI >= V1.7.0: updateport = 5000
- New Bitmap LED_INV for Control LED
- New User Control: Delay_Panel_03
- When creating a new User Control the User Control category to which the new User Control will be added can be selected
- New firmware version:
 - N8000 V1.7.1 **(has to be used, going online is not possible using an older N8000 firmware version!)**
 - RCM-26 V1.10

Bug Fixes

This section lists bug fixes since the last IRIS-Net release (please refer to section Previous Release History for the full software release history).

- IRIS-Net
 - Fixes a bug where manual execution of Macros was not be possible
 - Fixes a bug where project files could not be opened via Windows Explorer
 - Fixes a bug where copy & paste of a macro could cause a crash
 - Fixes a bug where dialog „Save changes?” appeared several times
- N8000
 - Fixes a bug that causes incorrect display of Preset Description
 - Fixes a bug where arithmetic constants in Task Engine could not be updated
 - Fixes a bug where a calendar entry was not usable as input for a switch in Task Engine
 - Fixes a bug where 24 bit CobraNet channels could be reset to 20 bit when reloading the project file
 - Fixes a bug where the combined (via AND) online state of multiple N8000 was not indicated correctly
 - Fixes a bug where GAIN indication in DSP block ANC was inversed
 - Fixes a bug where a incorrect gateway setting of the ethernet port was not indicated correctly
 - Fixes a bug where the tooltip information of Noise Generator did not work
 - Fixes a bug where dsp block could be moved out of the worksheet
 - Fixes a bug where superblocks did not always contain all dsp block wiring
 - Fixes a bug where wiring more than 8 connections from an input block (AI-1, MI-1 or DI-1) could cause an incorrect dsp configuration
 - Fixes a bug where N8000 was not available in IRIS-Net Event Log setup
 - Fixes a bug where super blocks could be overwritten without warning
- RCM-26

- Fixes a bug where a owner preset could be overwritten
- Fixes a bug where bypass of FIR filter was always activated after importing a preset
- Fixes a bug where pilot detection status LEDs were not always correct after going online
- Fixes a bug where copy & paste of output channel dsp settings discarded gain trim setting
- DCS
 - Fixes a bug where the range check of a DCS 416 output was not correct
 - Fixes a bug where missing/incorrect modules were not indicated correctly
- Dx38
 - Fixes a bug where front panel of device was not locked when being online
- Project Generator
 - Fixes a bug where amplifier power-on delay settings were not always assigned correctly when the Project Generator is run on a PC configured for German language.
 - Fixes a bug where deleting an amplifier which was part of a System Block or Group may cause other amplifiers in the same System Block or Group to be renumbered incorrectly.
 - Fixes a bug where double clicking on the System Block tree view header was not always handled correctly.
 - Fixes a bug where FIR and preset data was not included in N8000 / P64 configurations.
 - Fixes a bug where some Dynacord speaker settings files would not load correctly.

Known Issues

After installing IRIS-Net V1.7.1, please be aware of the following issues when using the product.

- 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 can not be always reverse engineered correctly
- Going online to RCM-26 remote amplifiers via a N8000 is only possible from one single instance of IRIS-Net application

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.
3. If you want to keep an earlier version of IRIS-Net on your PC for existing projects, rename the existing installation directory, e.g. from „IRIS-Net“ to „IRIS-Net_V1.6“ before installing the new version
4. 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.

5. Finish the installation by following the on-screen instructions.
6. 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 `\EVI Audio\IRIS-Net` 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.

Note: Vista (32 Bit) users who want to use a UCC1 have to do a custom modification after installation of IRIS-Net. Please refer to Application Note 4 „IRIS-Net and Windows Vista OS“ available at the IRIS-Net homepage.

Installation of the Project Generator

1. Once IRIS-Net V1.7.1 has been installed the Project Generator application can be found in the following location `C:\Program Files\EVI Audio\IRIS-Net\Tools\Project Generator Build V1700`. Note: This assumes the default installation location has been used.
2. Double click on the file 'setup.exe' to install the Project Generator.
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 folder.
5. Read the 'User Guide' available in the 'Help' menu of the Project Generator application to get started.

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.
2. The Project Generator requires the Microsoft .NET Framework Version 2.0. 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/details.aspx?FamilyID=0856EACB-4362-4B0D-8EDD-AAB15C5E04F5&displaylang=en>

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

Uninstallation of IRIS-Net

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, open the Windows Control Panel and double-click Programs and Features. Select IRIS-Net, click Uninstall/Change, and then follow the on-screen instructions.

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\EVI Audio\IRIS-Net\Driver\PEAKCAN* is the default location
3. Finish the installation by following the on-screen instructions.

Upgrading 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: *\EVI Audio\IRIS-Net\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.

Electro-Voice
12000 Portland Ave. South
Burnsville, MN 55337
USA

Phone:	1-800-392-3497
Fax:	1-952-884-0043
Support:	http://irisnet.electrovoice.com http://www.electrovoice.com

EVI Audio GmbH
Hirschberger Ring 45
D-94315 Straubing
Germany

Phone:	+49(0)9421/7060
Fax:	+49(0)9421/706265
Support:	http://www.dynacord.com michael.hofmann1@de.bosch.com tobias.pirtsch@de.bosch.com

Previous Release History

IRIS-Net V1.6.1

- Fixes a possible crash when going online (write) of RCM-26 remote amplifiers connected via UCC1

IRIS-Net V1.6.0

- New devices: Dynacord DCS System with analog and digital input and output cards for control signals. The DCS cards can be connected EV NetMax N8000 or Dynacord P 64, which allows using many general purpose inputs and outputs (GPIO)
- The Electro-Voice N8000 System Controller and Dynacord P 64 Matrix Manager now also support the following remote amplifiers when using the RCM-26 remote control module:
 - Dynacord PowerH Series (H 2500, H 5000)
 - Electro-Voice TourGrade Series (TG-5, TG-7)
- Network Setup Utility allows scanning for connected ethernet devices (e.g. Electro-Voice N8000 System Controller or Dynacord P 64 Matrix Manager) and editing ethernet port settings (e.g. IP address) of detected devices
- N8000 Task Engine: Executing tasks (similar to IRIS-Net Macros) depending on time based, arithmetic and logical operations (similar to IRIS-Net Conditions) in N8000.
- Up to 10 instances of IRIS-Net can go online to an N8000 simultaneously
- Enhanced dialog for Remote Device Configuration and Supervision of connected N8000's now available in IRIS-Net, corresponding dialog in N8000 Browser Interface has been removed
- Updated driver file (version 2.48.16.0) for UCC1 in IRIS-Net sub folder /drivers/PEAKCAN, if a UCC1 was already in use before installation of IRIS-Net V1.6.0, please refer to your Operating system documentation for manually updating a hardware driver
- A click functionality can be assigned to the control „LED“
- The RCM-26 Load Panel now allows import and export of reference plots for archiving
- New User Controls:
 - RCM-26_Memory_Panel_04
 - RCM-26_Memory_Display_01
 - RCM-26_Supervision_Flags_01
 - System_Supervision_02
- Category User Controls in IRIS-Net Object List is divided into sections according to possible connection types
- New Template RCM26SupervisionUI.ds available
- Accessable Layers of user „Administrator“ can now be edited
- New firmware version:
 - N8000 V1.6.0
 - RCM-26 V1.09
- Improvements / bug fixes:
 - ===== IRIS-Net =====
 - Fixes a bug where an exported log file could not be imported correctly in some spreadsheet applications
 - Fixes a bug that causes full screen mode not to work for some users
 - Fixes a bug that causes incorrect positioning of pasted items in workspace
 - Fixes a bug where the weekday of a holiday schedule could be set incorrectly
 - Fixes a bug that causes high cpu load when the System Check dialog is displayed
 - Enhanced filter settings in Event Log dialog
 - ===== RCM-24 =====
 - Fixes a bug that displays the content of tab Config&Info when tab DSP is selected
 - Fixes a bug that sets a preset status to dirty when the routing block is clicked on
 - Fixes a crash when amplifier routing was edited via drag&drop
 - Fixes a bug that discards level and mute settings when exporting a preset
 - Fixes a bug where parameter settings of receive job type measurement are not stored
 - Fixes a bug where edits of load measurement ranges are not indicated correctly
 - Fixes a bug where the diagram range of the load measurement plot can be set to an invalid value
 - Fixes a bug where starting a load measurement appeared to be possible in standby mode of an amplifier

- ===== RCM-26 =====
- Fixes a crash when the DSP routing block is clicked on
- Fixes a bug where THERMAL WARNING is not indicated in COLLECTED ERROR STATE
- Fixes a bug where dsp constants are not always initialized correctly after power on of an amplifier
- ===== N8000 =====
- Fixes a bug where linking channels of dsp block stereo mixer also linked the PAN parameter
- Fixes a bug that causes a glitch at power loss of a device
- Enhanced connectivity from a PC connected via Wireless LAN
- Fixes a bug where fan speed table values are not always set correctly
- Fixes a bug where dsp configurations including stereo loudspeaker controllers or stereo crossovers are not always reverse engineered correctly
- ===== DCS =====
- Fixes a bug that causes going online of unconfigured DCS systems not to work
- Fixes a bug that causes deleting a connected N8000 not to work
- ===== PWS =====
- Fixes a bug that causes the CAN address to always be set to 1 after a firmware update
- Fixes a bug where firmware file for update process could not be opened from hard disk
- Enhanced PWS dialog of unconfigured PWS-C
- Fixes a bug that prevents going online to other devices when going online (read) to a PWS

IRIS-Net V1.5.0

- New devices: Dynacord DCS System with analog and digital input and output cards for control signals. The DCS cards can be connected EV NetMax N8000 or Dynacord P 64, which allows using many general purpose inputs and outputs (GPIO)
- Firmware Upgrades:
 - New RCM-26 Remote Amplifier firmware V1.08
 - New NetMax N8000 firmware V1.5.1
 - New PWS firmware V1.0.0
- The number of simultaneously usable NetMax N8000 has been increased
- The refresh rate of VU meters in the RCM-26 Amplifier Panel has been improved
- The following features have been added to the PWS Programmable Wall Stations:
 - Button type "Action Button" for loading N8000 / P64 presets
 - Button type "Channel Selection" (PWS-4 only) for selecting parameters controlled by Up/Down-Buttons
 - Programming parameters of N8000's / P64's where the PWS is not directly connected to via CAN-Bus (referred to as "remote N8000 access")
 - Diagnostic tab for setting operating mode, updating firmware and detailed PWS system supervision
- Adds following features to the RCM-26 remote power amplifiers
 - GPIO and Job Code functionality
 - Logging of detected errors in IRIS-Net log file
- Adds following features to the IRIS-Net Project Generator (V1.0.0.9):
 - Support for PCMCIA CAN card
 - Support for new IRIS-Net password format
 - New layers for individual amplifier level/mute controls can be generated
 - Extended functionality of the System Block groups (System Blocks can now be built using ChA. And ChB. of amplifiers in any combination)
 - Improved user controls on control layer
- New and improved Dynacord Speaker Settings:
 - FIR full range setting for VL62
 - FIR speaker settings for Cobra-4 improved
- New User Controls:
 - RCM-26_Memory_Panel_04: Memory Panel with RECALL / STORE buttons and editable title displays for all 6 User Memories
- Improvements / bug fixes:
 - ===== IRIS-Net =====
 - Improved graphic engine

- Fixed dialog removal after deleting an amplifier
- Fixed handling of user without any rights
- Fixed Macro Editor
- Fixed dialog Modify Properties of worksheet which did not always display correctly
- Interface PCAN PCMCIA was not always initialized correctly
- ===== NetMax N8000 =====
- Preset is not automatically set as active preset when created via Button "New" in Preset Manager
- EDITED flag was not always set correctly after creation of a new device
- Voltage failure was not always logged correctly
- Pilot Tone Detection was not always used correctly
- Pilot Tone frequency was not always set correctly
- ===== PWS =====
- CAN Address of new PWS-C was not always set correctly
- ===== RCM-26 =====
- Amplifier state of supervised amplifiers was not always indicated correctly
- Location of exported measure file was not indicated correctly
- Improved group handling in RCM-26 System Check

IRIS-Net V1.4.0

- Two new devices are available: Dynacord DSP 244 (24 Bit Sound System Processor) and PWS Programmable Wall Stations
- New option for configuring Touch Panels TPI-8/TPI-12 (Menu Configuration Update Touch Panel)
- New options in menu Edit Settings ...
 - Start with last loaded project
 - Display User Name in login (login dialog requires User Name and Password for layer or full access)
 - Logging Event selection (User Login and Logout, Going Online or Offline, Project Change, Application Start, N8000 events)
- New options for Textboxes:
 - Shift + left click: Allows direct text entry
 - Ctrl + right click: Opens Advanced properties dialogue for selecting background bitmap and background color
- Hidden objects can be made visible:
 - Select Edit Object Visibility ...
 - In the Layer Selection window press the Find hidden Objects button and follow the instructions
- New application "Project Generator" available in directory \Tools. This application allows the fast and comfortable creation of IRIS-Net projects containing RCM-24 and RCM-26 remote amplifiers.
- New CAN interface options are available: PCMCIA-CAN cards from PEAK System
 - PCAN-PC Cards with 1 or 2 CAN ports, isolated or non-isolated
 - See IRIS-Net Application Note 5 "Using PCMCIA-CAN-Interface in IRIS-Net" for configuration details
- MasterEQUI Templates have been changed to be channel independent. When used, the channel information (ChA, ChB, or both) must be included in the connections.
Note: Project files made with older IRIS-Net versions and using MasterEQUI templates must be updated. Otherwise the Master EQ dialogue might not work.
- NetMax N8000:
 - Setting clock of multiple N8000 at the same time via IRIS-Net (NetMax Real Time Clock)
 - Creating reusable Superblocks from multiple DSP blocks (select configured and wired set of DSP blocks, right-click, press Create Superblock...)
- Firmware Upgrades:
 - New RCM-26 Remote Amplifier firmware V1.07
 - New NetMax N8000 firmware V1.5.0
- Known Issues:
 - Going online (write) to RCM-24 remote amps using an N8000 with CAN baud rate 10 kbit/s is not possible
 - Using a dual screen PC is not recommended

- Improvements / bug fixes:
 - ===== NetMax N8000 =====
 - Fixed Advanced-Dialog of DSP block Automixer
 - Error type CobraNet Receive is now indicated in N8000 Browser Interface
 - Fixed early unmute during going online of N8000
 - Improved graphical display of DSP block Gate
 - Fixed gain and quality ranges of DSP block Parametric Equalizer
 - Fixed reengineering of configuration containing DSP block Allpass
 - Improved Mute/Unmute of DSP block Tone Generator
 - Fixed N8000_PEQ templates
 - ===== RCM-24 =====
 - DSP graphics of RCM-24 are updated correctly when changing Preset
 - ===== RCM-26 =====
 - Fixed frequency dialog of RCM-26 Test Generator
 - Fixed audible selection in RCM-26 startup preset dialog
 - Import of RCM-26 Speaker Settings now also include Channel 6 of PEQ
 - Fixed FIR filter display of RCM-26
 - Fixed high CPU load of RCM-26 equalizer and X-Over dialogs
 - ===== Dx38 =====
 - Fixed initial and maximum value of Dx38 Master Delay
 - Fixed copy&paste of Dx38 Dynamics
 - ===== IRIS-Net =====
 - Setting Mute of amplifiers via Preset is now indicated correctly
 - Assigning connection to controls is no longer dependent on window arrangement
 - Fixed copy&paste in Scene Editor
 - Fixed copy&paste of User Controls
 - Fixed status indication "Ready" after loading particular project files
 - Same color (yellow) for all Gain Reduction displays within IRIS-Net
 - Fixed speaker file Cobra-4-Top-Lo_S01-19-12-06
 - Improved assignment of connections to User Controls
 - Fixed editing of User Control properties after reloading a project
 - Various minor graphic improvements

IRIS-Net V1.3.0

- Two new devices are available: Electro-Voice Dx38 (24 Bit Sound System Processor) and Dynacord P64 (Digital Matrix)
- New option: IRIS-Net can be configured to start with last opened project file (Menu Edit > Settings)
- Limiter Threshold Calculator available (Menu Tools)
- New improved graphic engine, large IRIS-Net projects open faster
- PEQ and Delay parameters can be controlled even when Bypass is pressed (requirement from some customers)
- Speaker Files used in a project are stored within the project file. In the Add Speaker Files dialogue the IRIS-Net package speaker files are marked with a "G" (global) other speaker files which are coming with a project are marked with "L" (local).
- NetMax N8000:
 - DSP block FIR (Finite Impulse Response Filter)
 - DSP block Automixer
 - DSP block GraphicEQ improved
 - DSP blocks can be moved via cursor buttons
 - Independent going online/offline of N8000 via context menu
 - Web Browser "Opera" is no longer compatible with Browser Interface
 - Improved Preset Manager
 - New firmware V1.4.0
- Improved RCM-26 Amplifier Panel (COMP, LIMIT LEDs)
- Improved RCM-26 Supervision Dialog
- New/improved Speaker Files for:
 - Dynacord Alpha

- Dynacord Cobra-Series
- Dynacord D-Lite Series
- Dynacord Subwoofer
- Dynacord VariLine Series
- Electro-Voice Phoenix Series
- Electro-Voice XLE181-Bi-LF_S00
- Electro-Voice XLE181-Bi-HF_S00
- New/improved Speaker Settings for:
 - Dynacord Alpha-B3-X1-7-1-07
 - Dynacord Cobra-2-Top-Sub-21-1-07
 - Dynacord Cobra-4-PWH-10-1-07
 - Dynacord D12-Full-19-1-07
 - Dynacord VL122-SUB18-22-1-07
 - Dynacord VL152-Full-FIR-1-11-06
 - Dynacord VL212-Bi-SUB28-20-1-07
 - Dynacord VL262-Full-23-1-07
 - Dynacord VL62-23-1-07
 - Electro-Voice speaker settings now structured by amplifier
- New/improved templates:
 - N8000_PEQ (filter type allpass now available)
 - N8000_AnalogIn
 - N8000_AnalogOut
 - N8000_Delay
 - N8000_Matrix
 - RCM26RemoteAmpUI
- Known Issues:
 - Going online (write) of RCM-24 remote amps with CAN baud rate 10 kbit/s using a N8000 is not possible
 - Using a dual screen PC is not recommended
- Improvements / bug fixes:
 - Improved handling of delay unit in RCM-24 remote amps
 - Improved BYPASS button in FIR Filter of RCM-26 remote amps
 - Improved phase plot in X-Over of RCM-26 remote amps
 - Text and bitmaps added to layer 2...n are no longer added to layer 1 automatically
 - Adding amplifiers with CAN address > 250 is no longer possible
 - Enhanced selection of the connection when creating a Macro
 - Protected projects created in IRIS-Net version < V1.2.0 can be opened
 - Improved copy&paste in Scene Editor
 - Threshold of RCM-24 Test Generator now also in Volt editable
 - Improved templates CrossoverUI and SystemCrossover
 - DSP block Priority Matrix shows now correct ObjectID for DPM 4000 connection
 - High band in 5 way loudspeaker controller does not disappear any more
 - Improved display of ambient level in DSP block ANC
 - Illegal wiring of DSP block ANC is no longer possible
 - Fixed CAN bus problems using function RESET of RCM-24 via N8000
 - Setting fader of DI-1 to 0 dB via 0 marking is now possible
 - Improved going offline process in IRIS-Net during reboot of N8000
 - Improved Real Time Clock of N8000
 - Removed LspBlock/Delay/Ch/delay.temperature from parser
 - Improved speaker file handling in DSP block Loudspeaker Controller
 - Improved display of GAIN REDUCTION in DSP block Loudspeaker Controller
 - Improved input of THRESHOLD in DSP block Mixer
 - Improved input of LEVEL in DSP block Noise Generator
 - Fixed various overflows in parser
 - Improved handling of RCM-24 remote amps via N8000 parser
 - Preset manager no longer discards preset descriptions
 - Various minor graphic improvements

IRIS-Net V1.2.1

- Minor bug fixes in the RCM-26 firmware upgrade procedure.

IRIS-Net V1.2.0

- Four new devices are available: EV Amplifiers TG-7 and TG-5, Dynacord Amplifiers PowerH 5000 and PowerH 2500. These remote amplifiers are connected via the RCM-26 Remote Control Module and a UCC-1. See IRIS-Net Help Topics for more details.
- Special RCM-26 features:
 - AES/EBU inputs with sample rate converter (32-192 kHz), digital input status indicators
 - Sample rate switching between 48 kHz or 96 kHz
 - 6 band Master EQ and 6 band Channel EQ
 - FIR filter (zero latency or linear phase) for brick-wall X-Over's and detailed frequency / phase response equalization
 - Enhanced speaker protection, thermal limiter
 - Routing matrix with adjustable levels on all routing points
 - Defined start-up preset can be assigned
 - Parameter changes are stored automatically and last active parameter settings will be loaded after power on if "audible" is selected in the start-up preset menu
 - Enhanced firmware update process: Boot loader in protected Flash memory, resistant against interruptions (e.g. power failure, broken cable, etc.) during upgrade
 - Impedance check with 3 generator level settings: -10dBu, 0dBu, +10dBu
 - One GPI or job code command can control two or more identical parameters, e.g. MUTE for both amplifier channels
 - See RCM-26 documentation for more details...
- New Speaker Settings for:
 - Electro-Voice XW15a, XW12a, Xi-2123A, XLC 4-Way, X-Line, XLVC for RCM-26
- New Speaker Files for:
 - Dynacord Cobra-Series (Cobra-Sub, Cobra-PWH, Cobra-2-Top, Cobra-4-Top, Cobra-4-Far)
 - Dynacord VariLine-Series (VL152 Fullrange, VL152 Biamped, VL262 Fullrange)
- Firmware Upgrades:
 - New RCM-24 Remote Amplifier firmware V1.23
 - New NetMax N8000 firmware V1.3.0
- New Templates:
 - RCM26LoadUI (Impedance check and load monitoring dialog for 2 amplifier channels)
 - MasterEQUI6Band
 - N8000 dialogs
- Objects in IRIS-Net GUI worksheet can be shown on multiple layers
- New enhanced project file format, projects created with older versions of IRIS/IRIS-Net can still be used.
- NetMax N8000:
 - Enhanced microphone input dialog (MI-1) with PAD button for switching between line and mic input level.
 - New digital audio input card (DI-1) with AES/EBU, S/PDIF and Toslink™ inputs, sample rate converter for every input (32 kHz - 192 kHz)
 - Faders in AI-1 and AO-1 dialog now with 0dB reset via mouse click
 - Improved PROCESSING OBJECTS library for faster and more comfortable access of DSP blocks
 - DSP block "FIR Filter", zero latency and linear phase, editing filter parameters is possible in off-line and online mode.
 - DSP block "Ducker" for mono and stereo signals with adjustable threshold, ducking level and time constant parameters (attack, hold, release)
 - DSP blocks "Expander" and "Gate"
 - DSP block "10 band graphic EQ" and "15 band graphic EQ"
 - DSP block "Ambient Noise Control (ANC)" for automatic gain adjustment according to ambient noise level
 - New configuration possibilities for "Loudspeaker Controller" (block and output labels can be edi-

- ted)
- DSP configuration window now with scroll bars and enhanced DSP block selection
- Improved preset manager:
 - Up to 60 presets
 - Automatic update of presets after removing DSP block from configuration
 - Renaming of presets is possible in offline and online mode
 - Added "link" parameter of DSP blocks to presets
 - Added channel labels in Analog In/Out and CobraNet In/Out DSP blocks to presets
 - Selectable startup preset is loaded when opening an IRIS-Net project
 - Option for muting system during preset change
- N8000 Ethernet settings are shown in N8000 general dialog after going online
- Improved integration of N8000 into Media Control Systems via dynamic parser
- Enhanced reengineering for reading DSP configuration from N8000 without having original project file
- New "Set Level from GPI" macro type for using potentiometers, etc. for level control
- Text boxes are available in DSP Configuration
- Improved real time clock including synchronization with PC clock
- Added or modified parameter keywords: Keyword "ActivePreset" divided into "DSP.ActivePreset.Number", "DSP.ActivePreset.Name" and "DSP.ActivePreset.Description"
- RCM-24 Remote Control Module:
 - Improved handling of DSP parameters using GPIO and TX/RXJOB
 - Setting of level for impedance check changed from selecting HI/LO to values in dB (or V)
 - Routing for both channels can be set simultaneously by GPI or Job Code

IRIS-Net V1.0.0b

- IRIS-Net is the name for the IRIS software suite, now. The version number starts with V1.0.0
- A new Device "EV NetMax N8000" is available. The NetMax N8000 is a powerful audio system controller with 32 audio channels, mixer and matrix functions, signal processing and networking. See IRIS-Net Help Topics for more details.
- IRIS-Net V1.00 includes a new RCM-24 Remote Amplifier firmware V1.21.
- Operating system Microsoft Windows ME no longer supported.
- Updated versions of UCC-1 CAN drivers PCAN_USB.SYS and CANAPI2.DLL are included.
- Q / Bandwidth is selectable in the Master EQ dialog.
- Improved Event Scheduler functions with Events, Day Programs and Holiday program list.
- Improved Macro Editor and Scene Editor added.
- DSPUI (Single channel DSP and speaker dialog) is improved. Import / Export Speaker Settings buttons are added and Import RACE file function is implemented. With this feature complete sound systems can be configured within a few minutes.
- Speaker Settings files have been added. Speaker settings include complete and optimized loudspeaker processing parameters (X-Over, Equalization, Alignment Delay, Gain Trim, Polarity and Compressor / Limiter). Speaker Settings can be imported in the DSPUI Single channel DSP and speaker dialog.
- Xlvc Presets have been updated. Speaker Settings have been converted from all existing preset files.
- When storing an IRIS project with a new file name, a new resource file will be generated with the same name and extension .dsr
- Ergonomic and cosmetic improvements have been made in the Control Ports & Jobs section on the Setup & Control window for RCM-24 remote amplifiers. Changes are documented in the corresponding online help.
- An Object List with Devices, Interfaces, Controls, User Controls, Bitmaps and Text Boxes has been added. The object list allows quick access to all IRIS-Net included objects.
- Full screen mode via Ctrl+Shift+F (Strg+Shift+F)
- RCM-24 System Check includes new Group Handling
- Updated keywords of User Controls Memory_Panel_01 and Memory_Panel_02 for use with remote amplifiers and NetMax N8000
- Updated Speaker File (for RCM-24 Preset) "Xi 1123a 3 way VBS LF"

- Updated Speaker File (for RCM-24 Preset) "XLVC V1.0" replaces "XLD 4-Way V0.95"
- User Controls updated to new format of parameter keywords.
- IRIS-Net has a new directory structure with new and updated folders, sub-folders and files:
 - Added directory \Speaker Settings
 - Renamed \Presets to \RCM-24 Presets
 - Added directory \Speakerfiles\Xi series with speaker files for Xi2123, Xi2181, Xi1191, Xi1183, Xi1152, Xi1122
 - Directory \Documentation with new document "IP_Table.doc"
- Added or modified parameter keywords:
 - Keyword "Savepreset" has changed to "SavePreset"