

1 What's new in WinControl

From rev 2.00

New official release with full Group support. See Groups topic for a detailed explanation of the Groups concept.

Installation set contains updated DSP/FW cr2 files, Settings and Preference files for all device types.

Fully updated help file and manuals.

Support for Windows Vista.

From rev 1.99

Group related additions:

Parameters adaptations in the Control parameters window are now relative by default. In the previous versions that have preliminary Group support, the adaptation of a parameter (e.g. Volume) resulted in an absolute synchronization among the Group members, now an offset is simply added or subtracted. Relative adaptation only holds for most of the numerical parameters (i.e. the ones that are controlled by means of (spin)-edit controls like Volume, Delay etc.). The other parameters (controlled by check-boxes or drop-down boxes are always synchronized on absolute basis).

EQ sync is now implemented on a 'section-by-section' basis, this allows the adaptation of a single EQ section for a Group without implicitly syncing the whole EQ.

There is a synchronization indication implemented in the Control parameters window. If parameters are not currently synced among Group members this is indicated for each parameter individually in the Control parameters window. Parameters that are not supported by a specific device are not taken into account here.

The synchronization process of the Control parameters can be precisely controlled:

- A single parameter can be synchronized by clicking on the related Synchronization indication LED/button; this allows for example to synchronize the Elevation angle of a collection of DDC units whilst the other beam related parameters remain unchanged.
- A parameter subset (e.g. Beam, Input etc.) can be synchronized at once by clicking on the global Sync button.

Refer to the Groups synchronization topic for more info.

From rev 1.98

Preliminary Groups support.

Adapted support for new 'Blue-line' devices (more protected EQ sections).

Additional commands implemented in the External control module (Extended and Service version only), more status request related command options and ducking control added (e.g. for time based level control, ' day/evening/night'). Refer to the WinControl_external_control_API_xxx.pdf for details.

Dynamically muted output channels for multi-channel C6x amplifiers visible in Output parameters window.

Volume control window updated with Ducking related parameter.

From revision 1.98.0.23

Stackeditor has support for the DDA delay-optimizer, pre-delay and volume related parameters can be extracted from the *.dda file and uploaded to the selected devices.

From revision 1.98.0.28

Tray-style Alert window added for error notification during scanning or repeating.

From revision 1.98.0.48

Enhanced surveillance parameter control for devices with Firmware revision ≥ 4.50 , see Network activity monitoring and Enable network auto-release timer during scan only (Scanning related option).

Network activity monitoring can be switched on/off (from main menu; see Auto-release timer command, or from Surveillance parameters).

Autogain can be switched on/off (from main menu; see Autogain control command, or from Autogain parameters).

Preferent preset can be set for devices with external Hardware reset switch.

Option added to Un-lock all device presets initially.

From rev 1.97

Preliminary support for new 'Blue-line' devices.

From revision 1.97.0.11

Selected preset index is shown in unit icon (in Plan view).

From revision 1.97.0.12

Preset selection from Main toolbar implemented.

Locking and un-locking presets from Device icon pop-up menu implemented.

From revision 1.97.0.21

Auto scan start on idle time-out option added.

From rev 1.96

Autogain parameters, real-time update added for devices with C6x DSP.

Autogain parameters, Keep current calibration values option added.

Detailed amplifier related information is written to the log file in case of amplifier related messages.

Maximum Number of subnets is increased from 4 to 16.

Enhanced Preset parameters copying.

From rev 1.95

Renamed Ivx-DSX series (Ivx-DSX180, Ivx-DSX280, Ivx-DSX430 and Ivx-DSX500). Settings files, DDA files and folders are also renamed for these device types.

Context sensitive help added (pressing F1 opens help file with relevant information).

Basic support for UFM-1215 added.

Surveillance parameters, real-time update added for devices with C6x DSP.

Solo 'Front' LED option added.

Stackeditor: Improved rendering.

From rev 1.94

Basic support for AudioNet 1+ RS-485 Remote Controller added.

2 Bug fixes in WinControl

From rev 1.98

From revision 1.98.0.23

DDS upload for Enhanced DDS processing of IntelliDisc-DS90 did not work. This bug was introduced in v1.95.0.2.

From rev 1.97

Following bug only affected Service and Extended versions of WinControl, it has no impact on the User version. For devices with ≤ 8 output channels the procedure described hereafter could cause a general Load monitoring failure without showing a specific Load monitoring failure on output channel 1..8.

After adapting and writing the Initialization registers (with Parameters | Initialization registers command from the main menu) the Power-up control mask register could be set to FFh in case of the actual value. This only happened if the Initialization registers window showed that this register was either not supported or not implemented (i.e. by showing xxx or --- in the corresponding edit box). As a consequence the device now automatically detects if a DAC extension board is connected on power-up (if the Firmware revision is 3.60 or higher, because bit 0 of the Power-up control mask initialization register is now set). For 16 output channel devices (e.g. Ivx-DC430, Ivx-DC500 etc.) this is the default, however for 8 output channel devices this bit must be reset. Setting this bit now results in a general load monitoring failure (for example shown on the Failure tab of Status properties window) caused by any of the non-existing output channels (9..16) which are not shown in the user interface of the Status properties window.

EQ shelving filter related: LF shelving frequency (F-Lo) was sometimes not properly assigned when loading from a settings file.

From revision 1.97.0.6

EQ related: This version has a bug fix concerning the loading of EQ / cross-over filter parameters into Presets from a Settings file. If one or more 'flat' filter types are specified in the settings file for the EQ / cross-over of a specific preset, filter parameters from preset 0 (the 'normal' parameters page) could be loaded from the settings file and written to the specific preset under certain circumstances.

From revision 1.97.0.31

Initialization registers related, C3x devices only, Service and Extended version only. Unit no longer boots after power-up when adapting the value of the 'Load monitoring enabled mask' (registers #57/58). Manually adapting this register automatically caused an iniregister Blocktype change-over (from type 6 to type 7, the type is indicated in the status bar of the Initializations registers window). However type 7 is not compatible with the hardware and an initialization problem occurred with the mutually used register #19 ('High byte of EE boot address' for Type ≤ 6 , and 'Firmware flash buffer indicator' for Type > 6).

As a consequence the unit would no longer boot after power-up. For WinControl versions $\geq 1.97.0.31$ this has been fixed (auto-upgrade from iniregister block type 6 to 7 has been prevented).

From rev 1.95

The font size of the Beam / Output parameters tab of the Control parameters window was improperly scaled if the Control parameters window was not auto-sizing. Note that right-clicking on the Control parameters window brings up a pop-up menu that allows the disabling of auto-sizing (active by default).

The communication status window (progress indicator during lengthy RS-485 network activity) did sometimes not disappear automatically after the network access was finished. This could occur when Scanning mode was active and a unit that was included in the current Scene was temporarily disconnected. This bug was introduced in WinControl v1.93.

Stackeditor: For some graphics cards a serious exception could be raised when closing the Stackeditor.

From rev 1.94

When Program level was switched to View-only, some of the External control commands (i.e. commands that change device parameters, e.g. muting/unmuting, Autogain control etc.) could no longer be executed properly.

This bug only affected Service and Extended versions of WinControl.