LAB.GRUPPEN

IPX Controller
v2.3.4
Release notes

Important information about features, compatibility and known issues

Headlines - what's new?

- Possibility to import custom FIR parameters
- Many general stability improvements

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Release v2.3.4 (2024-10-18)

New release for IPX Series amplifiers with new IPX Controller and firmware, see complete New Features section and Resolved issues section.

Software and firmware components in this installer

Component	Version	New	Comment
IPX Controller	2.3.4	X	Windows 64bit, macOS
IPX Firmware	2.3.4	X	Compatible with 4800, 2400 and 1200
DSP	2.3.2	X	
MCU	2.3.4	X	
IPX LoadLibrary	1.0		See separate Release notes.

New features

- Possible to import custom FIR and IIR parameters while in FiR-X view in Developer Mode.
- Improved Faults and Warnings handling and display of Temperature, Preset, Settings, Memory and Fuse fault in IPX Controller on the device status label and on the IPX Front panel.
    - Offline devices are now displayed with grey status background.
- While a device is firmware updated this is now displayed on the device front panel.
- Improved firmware update speed.
- New program splash screen on IPX Controller and on IPX display.
- IP Mode displayed in front panel
- “Not connected” displayed as IP address and IP Mode when no Ethernet cable connected.
- “Global power on” is now sequenced to reduce risk of tripping fuse.
- RMS limiter default value increased from 42dBu to 48dBu.

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Resolved issues

Key	Components	Description
		Critical fixes
#82198	Firmware	When persistence settings cannot be read the device is set in a fault state. Note: This is indicated with “MEM FAULT”. Reboot device.
#113668 **#114713**	Firmware	Improved validation of Preset data.
#115782	Firmware IPX Controller	Factory files and Backup presets created in v2.2.2 have invalid FIR data. **NOTE**: Loading a Factory file or Backup preset stored in v2.2.2 with FIR, will be blocked from recall. **Workaround**: Recall original preset file and create new Factory file or Backup preset in v2.3.3.
#106772	Firmware	Fix RMS output limiter for IPX 4800 not limiting to expected level
		Major fixes
#112826	Firmware	Improve network communication between IPX Controller and device
#105104	Firmware IPX Controller	Fix devices sometimes getting stuck in OFFLINE state
#111066	IPX Controller	Disable mute/power/mixer user interface when device has memory fault
#105073	IPX Controller	Do not activate mute buttons when device is internally muted by active faults.
#105073	Firmware	Do not activate mute lights when device is internally muted by active faults.
#116989	IPX Controller	Global View not always showing correct Mode and Mute status.
#115854	IPX Controller	Restore preset from folder skips some preset positions.
#116769	IPX Controller	Updates the name on the running Preset on the front panel also when loading from Computer.
#116911	IPX Controller	Recalling a new preset from Computer while the device is part of a Carbon copy Group or Group with Preset -> Computer Recall set as link, the Preset will now correctly be recalled to all devices. NOTE: Factory file and Restore Preset is not included.
		Minor fixes
#106632	Firmware	Don't show signal output bars on display while device is in standby.
#105073	Firmware IPX Controller	Fix devices randomly displayed as muted when device lost power.
#106245	IPX Controller	Clarify some LPIF file import issue texts.
#112901	IPX Controller	Show splash screen on the same window as the program window will appear on.
#66431	Firmware	Do not light up LCD when plugging in power while in standby.
#115041	IPX Controller	Could end up in an incorrect FIR-X view using scroll-wheel in Device view.
#117074	IPX Controller	During a recall from Computer, mute is applied during the recall.

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FAQ & Technical notes

IPX Series devices are not compatible with Preset or Factory files from IPD Series devices.

Technical support

For further details regarding operation, please refer to the appropriate manual included in this release.
https://community.musictribe.com/

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Release History

Release v2.2.2 (2024-07-04)

Software and firmware components in this installer

Component	Version	New	Comment
IPX Controller	2.2.2	X	Windows 64bit, macOS
IPX Firmware	2.2.2	X	Compatible with 4800, 2400 and 1200
DSP	2.2.1	X	
MCU	2.2.2	X	
IPX LoadLibrary	1.0	X	See separate Release notes.

New features

- "FIR-X mode" added, create speaker presets with FIR and IIR filters for single and multi-way loudspeakers using the Eclipse Audio FIR designer. For more info, video tutorials and FIR Designer software download, visit: www.eclipseaudio.com
    - Note: Due to that the Preset size has increased with the introduction of FIR inclusion in the preset, the number of total presets that can be stored on the device is reduced from 100 down to 50. After the firmware update, all presets on position 1-50 are kept untouched, but presets stored on position 51-100 are removed.
        - Loading a Factory file stored in prior version will only load and store the first 49 presets.
- Support for new IPX 4800 model
    - New IPX 4800 model also added as Demo device when Demo mode enabled.
- MacOS version released.
- The Crossover selection has been removed, and the Highpass (HPF) and Lowpass (LPF) filters are now visible and configured from each of the Output channel selections.
- Possible to ping a device from inside the Device view by clicking on product picture just as on Global view.
- Possible to ping and highlight a device in IPX Controller from the device, by pressing the "Back" button while in the Main view. This will flash the device in Global view.
- Improved Network Front panel view, to display "Not Connected" and also added IP Mode.
- Once a device is updated to the included firmware it cannot be downgraded to earlier versions.
- IPX Controller uses Documents\Labgruppen\IPX folder as default folder for storing and recalling Presets and Factory files from Computer. IPX LoadLibrary is also stored here and is copied here on first IPX Controller startup.
- Start menu shortcut to Documentation folder added from Start menu.
- Splash screen added on IPX Controller startup.
- Added "preset" and "FIR" categories to advanced group link options.
- There is now no preset number displayed on Front panel when preset is not stored on Device.

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Resolved issues

Key	Components	Description
		Critical fixes
#65691	Firmware	Fixed an issue where the fans didn't stop spin in Standby
#95202	Firmware	Fix devices not discoverable on PCs with certain network cards
		Major fixes
#101998	Firmware	Improve network reliability on busy networks
#66385	IPX Controller	The Temperature percentage is not the same when looking in IPX Controller vs front panel of the IPX
#57344	Firmware	When a preset is recalled from IPX Controller the front panel display goes to the Preset menu
#45215	Firmware	The IPX front panel I/O Menu indicate "No Lock" with AES3 input with signal level of -48dBFS or lower
#98551	IPX Controller	Prevent more than one instance of IPX Controller to run at the same time.
#43266	IPX Controller	Prevent Windows scaling settings make the app grow outside the screen.
#34877	Installer	Option to allow app in Windows firewall directly by installer
#82907	IPX Controller	Fixed an issue which made the Advanced Groups not keeping only the selected links.
#83025	IPX Controller	Output EQ filters can be incorrect read to IPX Controller from device when Output LINK is enabled
#103572	IPX Controller	Fix loading presets from folder when multiple presets were saved in the same slot
#103574	IPX Controller	Change how presets are placed when restoring from folder. It will use any prefixed number in the filename (12_preset.ipxpreset will try to use slot 12). Otherwise it put the preset at the first empty available slot.
#102981	Firmware	Incorrect IP Address not displayed when No Link active.
		Minor fixes
#65811	Firmware	Once the temperature of the IPX goes down, the fans go into "FAN: FAIL"
#62705	IPX Controller	Missing File version for installers (IPX Controller, Vendor lock tools etc.)
#77166	IPX Controller	EQ Filter Insert/Bypass buttons misaligned
#96467	IPX Controller	Clicking a EQ segment selector in any EQ window will now also select it for edit mode.
99185	IPX Controller	Don't default start IPX Controller in the maximized Global view
99184	IPX Controller	Remember where IPX Controller last was closed, and re-start the program on the same screen and location

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Release v1.5.4 (2022-07-10)

New release for IPX Series with new IPX Controller and firmware.

Software and firmware components in this installer

Component	Version	New	Comment
IPX Controller	1.5.4	X	Windows
IPX Firmware	1.0		Compatible with 2400 and 1200
DSP	1.0		
MCU	1.5.1.1	X	

New features

- "Vendor Lock" feature added. A device can be loaded with Vendor Key which allows the device to recall Vendor Locked presets with a matching key. If a device have a Vendor Key, this is displayed on the Global view with a Key symbol.

  Note: Once a device is updated to the included firmware 1.5.1.1 it can no longer be downgraded to firmware 1.0.0.0 included in IPX Controller release v1.4.

Resolved issues

Lots of access related issues has been corrected.

Key	Components	Description
		Critical fixes
#4806		Preset not stored to computer as it was configured when it was stored
		Many issues regarding Access Rights and locked presets.
		Major fixes
#42721		When a channel is in thermal protection mute it is possible to unmute it from the IPX Controller
#39056		Output volume 1 & 2 must keep the offset to each other when turning the knob
		Minor fixes
#45944		When changing device via "Linked Device" or by going to Global view and to a different device doesn't stay in the same view (if accessible)
#41377		The picture of the selected filter is not updated when filter type changed
#34756		No confirmation when recalling a Preset from Computer
#34751		Expanding a Groups will always expand the same amount

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Release v1.4 (2021-11-11)

Initial release of IPX Controller for IPX Series products IPX 2400 and IPX 1200. See full IPX Series press release here.

Component	Version	New	Comment
IPX Controller	1.4	X	Windows
IPX Firmware	1.0		Compatible with 2400 and 1200
DSP	1.0.0.0	X	
MCU	1.0.0.0	X	

New features

Initial release.

Resolved issues

Initial release.

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