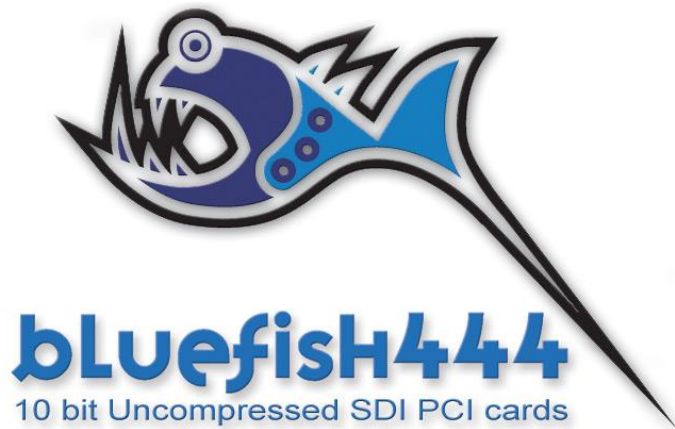


Bluefish444 Release Notes



Bluefish444 Installer 5.8.1

Thursday, July 27, 2009

Supporting;

PCI Exp 4 lane
Epoch 2K Horizon
Epoch Horizon
Create HD
Create 2K
Create 2K Ultra

Introduction

Welcome to the retail installer release from Bluefish444, version 5.8.0
This installer supports the SDK and driver version 5.8.0.21
Supports the Bluefish444 2K/HD/SD and SD product range.

Driver Platform support

Windows XP 32, Windows Vista 32, Server 2003.

Hardware Updates

Added support for epoch and create range of PCI-E HD cards.

Software Updates

Symmetry 3.8.3

Symmetry is Bluefish444's proprietary integrated DI acquisition, review and play out software for Windows and is included with all Bluefish444 video I/O cards.

Symmetry was designed as a Digital Intermediary capture and playback solution for digital content creators, composers and editors for film and broadcast that desire to work with industry file formats supporting 10/8 bit RGB or 10/8 bit YUV workflow color spaces.

Symmetry's flexibility and simple to use interface means that it easily integrates into any video or film post production environment, and is the perfect companion tool for solutions that do not support sufficient I/O.

Bluefish444 continually updates Symmetry's feature set allowing customers to constantly upgrade to new features – at no charge. Symmetry is a FREE integrated software solution for the Bluefish444 I/O video card product range.

- Digitize and export 10 bit RGB DPX/Cineon and TARGA sequential files.
- Digitize and export 10 bit QuickTime and 8 bit AVI uncompressed files.
- Connect to dual link and single link VTR 4:4:4/4:2:2 sources.
- Use it as a mini editor for assembling clips and sequences for YUV or RGB workflows or as a preview station.
- Supported and certified by AVID Nitris, Chrome Matrix, Assimilate Scratch, Iridias and Nucoda.
- An effective I/O digitizing station and preview tool for a range of compositing effects and CGI applications such as Eyeon Fusion, D2 Software NUKE, Adobe After Effects, Bauhaus Mirage, Autodesk MAYA and 3D Studio MAX, LightWave, Softimage and many more.

New Features

- Epoch|Create support

Adobe Creative Suite 4

Bluefish444 continues to support Adobe solutions with direct support for Adobe Premiere Pro CS4, Adobe After Effects CS4, Sound Booth CS4 and Adobe Photoshop CS4.

Adobe Premiere CS4

Bluefish444 continues to support the Adobe product range, adding support for Premiere Pro CS4 with real-time playback preview of effects and supported 3rd party file formats with adjustable quality supported in Premiere Pro CS4. Effects and transitions are rendered only on export so as to maintain the true 10 bit YUV uncompressed quality to your workflow. The range of effects previewed in real time is system dependant.

Bluefish444 has also added the ability to playback any supported file format, either uncompressed or compressed (dependant on system performance) that can be imported by Premiere Pro CS4 such as AVI, TGA, Jpeg, Tiff and QuickTime etc. Once again rendering the timeline during editing and playback is no longer required, only for intensive effects and during exporting to tape.

Playback performance is scalable, so as Premiere Pro CS4 and system performance increases, so does the ability to add more streams of video, audio, stills, effects and transitions.

Note; The Bluefish444 Premiere Pro CS4 plugin's require Premiere Pro CS4 4.1.0 or higher.

Adobe Premiere Pro CS4 also supports serial VTR deck control. Serial VTR control is supported via the COM port and the Bluefish444 VTR ports.

Sound booth CS4

With support for ASIO audio interface now supported by Audition 2.0, Adobe and Bluefish444 customers have the ability to monitor audio output on the same system with up to 8 channels of audio, perfect for 5.1 and 7.1 surround sound audio editing. Import support will be available soon.

After Effects CS4

Bluefish444 continues to support Adobe After Effects in this latest release. SD and HD SDI and analog real time monitoring in both 8 and 16 bit project modes, real-time playback is also supported via RAM player.

Direct support for QuickTime Movie export via the Bluefish444 QuickTime codec is now supported by bypassing the need to use the BF exporter.

Photoshop CS4

Bluefish444 supports the export preview feature for HD and SD output, export plugins can be assigned to keyboard shortcuts via actions.

New features

CS4 Production Suite will not be supporting any 2K video modes. These modes will be disabled.

Adobe Creative Suite 3

Bluefish444 continues to support Adobe solutions with direct support for Adobe Premiere Pro CS3, Adobe After Effects CS3, Sound Booth CS3 and Adobe Photoshop CS3.

3rd Party Support

The current Bluefish444 retail installer has been tested with the following 3rd party applications.

Eyeon Digital Fusion v 5.1, 5.21 and 5.3.
Autodesk Combustion 4.X & 2008.

For a full list of supported application please go to;
<http://www.bluefish444.com/support/compatibility/software/>

Installer Contents & Versions

5.8.0.

Included Software

- Driver SDK Version, 5.8.0.21
- Symmetry 3.8.3
- Bluefish444 Feature Application.
- DMA Bench Mark
- SCSI Bench Mark
- Adobe Creative Suite CS4 Plug ins
 - Adobe Premiere Pro CS4
 - Adobe After Effects CS4
 - Sound Booth CS4
 - Adobe Photoshop CS4.
- Adobe Creative Suite CS3 Plug ins
 - Adobe Premiere Pro CS3
 - Adobe After Effects CS3
 - Sound Booth CS3
 - Adobe Photoshop CS3.
- Adobe Production Studio Plug ins
 - Adobe Premiere Pro 2.0. Open HD Certified Plug-ins
 - Adobe After Effects 7.0.
 - Adobe Audition 2.0.
 - Adobe Photoshop CS2.
- Autodesk 3D Studio Max 8/9 Plug-ins
- QuickTime Codec v3.3.0.6.
 - Includes Bluefish444 QuickTime 10bit V210 codec
 - Supports 8 and 16 bit RGB and 10bit YUV V210 pixel formats.

For other 3rd Party support, please contact your software vendor for driver version compatibility and support for this installer.

<http://www.bluefish444.com/support/compatibility/software/>

New Features, Updates and Fixes.

Hardware (2K/HD product range)

Addressed issue when in dual link 4:4:4 mode for all HD products, during capture there will be a green vertical line present.

2K| Lust, HD| Fury

New firmware unlocks 2K and Video Preview Processing features for all HD products supporting the SDI X video output. This feature is for free at no cost.

Includes up scaling and conversion video processing.

The HD|Fury will support 2K modes excluding HSDL 4:4:4 modes.

Symmetry;

- New architecture for improving accurate capture, playback, AV sync and no drop frame.
- Add support for Bluefish444 VTR port deck control.
- Add support to Create, Epoch range hardware.
- Add support to 2K mode.

Bug Fixes;



Known issues;

Adobe CS4 Production Studio;

- Support for Bluefish444 VTR port deck control.
- Support to Create, Epoch range hardware.

Bug Fixes

Known Issues;

Installer History

5.7.6 Beta

Adobe CS3 Production Studio.

Fixes;

- Added fix for QuickTime Importing where non BF QuickTime files will not import into Adobe Premier Pro CS3 and After Effects CS3 generating an error.
- Premiere Pro crashes when drag a clip to the middle of timeline.

Known issues;

- PPRO3 can't export to tape Hunt Server Error when using the Adobe serial VTR device controller. The "Hunt Error" is bug 1525912, and the "Servo Lock Error" is bug 1525898 in the Adobe bug tracker.
- Premiere Pro crashes when opening QuickTime v210 file from Final Cut Pro that have more than 2 channels of audio.

Symmetry 3.6.2

New Features;

- Add support for duration counter.

Fixes;

- Logged clips will alter previous logged clips that are selected in the BIN.
- Symmetry: using short cut keys to crash the Symmetry.
- Symmetry sometimes doesn't stop capturing upon reaching the out point.
- Symmetry sometimes crashes after pressing the "X" (close) button in the window title bar.
- Symmetry crashed after pressing OK button in Master Settings Window.
- Crash on clicking "Capture" mode button.
- Symmetry crashing when the missed calculated free space is reached.
- Thumbnail playback problem.

Known issues;

- When selecting clips in bin the total duration is not updated in outpoint when in preview mode.
- Playing clips from playlist fails after the 3rd or 4th clip, video stops, audio continues to play.
- No visual reference on current clip in BIN being processed during a batch capture process.

5.5.5 Beta

Bluefish444 Feature Application.

- Added Video Processing tab to control SDI X preview
 - Scaling, Cropping, Panning

Symmetry 3.6.2

New Features;

- 2K and HSDL modes.
- Preview tab in Master Settings - control Log\Linear\LUTs.
- Update available file formats list depending on video mode and connection type.

- More logs in VTR.
- Added timer cursor on loading projects.
- Log\Linear flag for Bin and Play List.

Fixes;

- Check flip mode for files in playlist.
- ESC key is now linked to cancel in master settings.
- VTR standby mode - Symmetry will wait until deck resumes from Standby mode.

Notes;

- LUTs are enabled only in Dual Link mode and is supported only in the 2K|Lust.
- LTC is still disabled in Symmetry.
- MPEG2\H264 in Symmetry are not supported in 2K.
- PPRO and AE does not support 2K as V210 is not supported in 2K.

5.4.13**Included Software;**

- Driver SDK Version, 5.4.26.0
- Symmetry 3.5.3
- Bluefish444 Feature Application.
- Adobe Creative Suite CS3
 - Adobe Premiere Pro CS3
 - Adobe After Effects CS3
 - Sound Booth CS3
 - Adobe Photoshop CS3.
- Adobe Production Studio Plug-ins.
 - Adobe Premiere Pro 2.0. Open HD Certified Plug-ins
 - Adobe After Effects 7.0.
 - Adobe Audition 2.0.
 - Adobe Photoshop CS2.
- Autodesk 3D Studio Max 8/9 Plug-ins
- QuickTime Codec v3.3.0.6.
 - Includes Bluefish444 QuickTime 10bit V210 codec
 - Supports 8 and 16 bit RGB and 10bit YUV V210 pixel formats.

For other 3rd Party support, please contact your software vendor for driver version compatibility and support for this installer.

<http://www.bluefish444.com/support/compatibility/software/>

New Features, Updates and Fixes.**Symmetry 3.5.3****Fixes**

- Add: Symmetry now checks for image orientation for flipped images such as Targa and will not allow mixing of different orientated images in the in Play List
- Add: Wait cursor on loading project and on dropping a frame message.
- Fix: Crash when clips are offline in playlist and only when the project is the start up project. (e.g. clips are deleted after the project has been saved)
- Fix: Installer issue with the RAGE N|Code aspx installer is installed for Aspx customers (CRC error)

- Fix: reading preset settings from Symmetry's last session and project settings.

5.4.12

Included Software

- Driver SDK Version, 5.4.26.0
- Symmetry 3.5
- Bluefish444 Feature Application.
- Adobe Creative Suite CS3
 - Adobe Premiere Pro CS3
 - Adobe After Effects CS3
 - Sound Booth CS3
 - Adobe Photoshop CS3.
- Adobe Production Studio Plug-ins.
 - Adobe Premiere Pro 2.0. Open HD Certified Plug-ins
 - Adobe After Effects 7.0.
 - Adobe Audition 2.0.
 - Adobe Photoshop CS2.
- Autodesk 3D Studio Max 8/9 Plug-ins
- QuickTime Codec v3.3.0.6.
 - Includes Bluefish444 QuickTime 10bit V210 codec
 - Supports 8 and 16 bit RGB and 10bit YUV V210 pixel formats.

For other 3rd Party support, please contact your software vendor for driver version compatibility and support for this installer.

<http://www.bluefish444.com/support/compatibility/software/>

New Features, Updates and Fixes.

Symmetry 3.5

New Features

- Command line support
 - Support for command line commands and XML scripting interface to automate processes without the need to use the GUI
- EDL import processing and clip name support
 - When importing EDL you can select a range of naming conventions to control the clip name during the capture process. Clip names generated from applications such as Final Cut pro can now be preserved
- Pre roll offset
 - Adds the ability to set a pre roll offset in seconds. Traditionally it was defaulted to 5 seconds
- LTC support for the HD LUST
 - Supports the option to take time code from the LTC ports of the HD|Lust card
- MPEG 2 NTSC 720 x 480 support
- Ignore Tape reel name support
 - This feature is used with modern DI workflows where there are multiple reels on an single tape. This option tells Symmetry to ignore reel name requests to speed up the digitizing process.

Fixes

- Fix: Capture audio files in EDL processing
- Fix: vtr_logs.bat was not included

Adobe Creative Suite 3

The following Adobe Creative Suite 3 products are now supported by the Bluefish444 product range.

- Adobe Premiere Pro CS3
- Adobe After Effects CS3
- Sound Booth CS3
- Adobe Photoshop CS3

Installer 5.4.9

Included Software

- Driver SDK Version, 5.4.26.0
- Symmetry 3.3.7
- Bluefish444 Feature Application.
- Adobe Production Studio Plug ins.
 - Adobe Premiere Pro 2.0. Open HD Certified Plug-ins
 - Adobe After Effects 7.0.
 - Adobe Audition 2.0.
 - Adobe Photoshop CS2.
- Autodesk 3D Studio Max 8/9 plug-ins
- QuickTime Codec v3.3.0.6.
 - Includes Bluefish444 QuickTime 10bit V210 codec
 - Supports 8 and 16 bit RGB and 10bit YUV V210 pixel formats.

For other 3rd Party support, please contact your software vendor for driver version compatibility and support for this installer.

<http://www.bluefish444.com/support/compatibility/software/>

New Features, Updates and Fixes.

Symmetry 3.3.7

Fixed a performance issues during capture when using the pre create option causing intermittent dropped frames.

Installer 5.4.8

Included Software

- Driver SDK Version, 5.4.26.0
- Symmetry 3.3.5
- Bluefish444 Feature Application.
- Adobe Production Studio Plug ins.
 - Adobe Premiere Pro 2.0. Open HD Certified Plug-ins
 - Adobe After Effects 7.0.
 - Adobe Audition 2.0.
 - Adobe Photoshop CS2.
- Autodesk 3D Studio Max 8/9 plug-ins
- QuickTime Codec v3.3.0.6.
 - Includes Bluefish444 QuickTime 10bit V210 codec
 - Supports 8 and 16 bit RGB and 10bit YUV V210 pixel formats.

New Features, Updates and Fixes.

Driver/Firmware

- Fixed issue listing SD|Prime as “unknown” in Symmetry and the Feature App.

Symmetry 3.3.5

- Added extended support for Com port detection from 2 ports to 99 ports

Feature Application

- Added embedded audio enable/disable in playback control.

Premiere Pro 2.0

- Fixed Low memory error.
Issues; When playing back in Premiere Pro 2.0 and when embedded Audio is enabled, Pro will hang or crash after stopping and starting playback 30 to 40 times.

Installer 5.2.120

Driver v 5.2.6.11

Premiere Pro 2.0

Fix: Crash that occurs when a capture window is opened

System Requirements

For a list of detailed certified systems and configurations please go to the following link
<http://www.bluefish444.com/support/compatibility/hardware/>

Symmetry

Uncompressed HD and SD	
OS	Windows XP SP2, Windows Vista 32, Server 2003
CPU	Dual AMD Opteron 2.4 GHz or AMD dual core. Intel Xeon 3.0 Ghz or Dual Core 2 Duo Xeon 2.4 GHz above.
RAM	2 GB HD +.
Disc drive	8x or faster CD/DVD drive.
Installation:	HARD DRIVE: 20MB free space
Video:	Direct show capable card support resolutions at1280 by 1080 with direct X 9 or above.
Input	Keyboard and mouse.

*system performance and encoding performance may be different on different computer systems outlined above.

Adobe Production Studio

Uncompressed HD and SD V210 10 bit YUV	
OS	Windows XP SP2, Windows Vista 32
CPU	Dual AMD Opteron 2.4 GHz or AMD dual core. Intel Xeon 3.0 Ghz or Dual Core 2 Duo Xeon 2.4 GHz above.
RAM	2 GB HD +.
Disc drive	8x or faster CD/DVD drive.
Installation	HARD DRIVE: 20MB free space
Video:	Direct show capable card support resolutions at1280 by 1080 with direct X 9 or above.
Input	Keyboard and mouse.
Controller	SCSI u320 Dual Channel

Storage Requirements.

Storage requirements need to be of good quality and sustain a constant data rate of over 240 MB per second for 10 bit RGB HD DPX I/O, higher for 2K.
 For MPEG 2 you can support HD capture with less storage requirements as the data rate for MPEG 2 is approx 2 MB per second depending on your compression settings.

Uncompressed

2K, HD 4:2:2/4:4:4 (10 bit YUV (v210), 10 bit RGB)

SCSI

- Adaptec dual channel u320 controller 39320 A/R
- 10 Drive JBOD with 5 10 k u320 SCSI Drives per Channel
- RAID 0.

Fiber Channel

- Two PCI-X Atto FC 42XS
- Two Huges Media Vault 4210
- RAID 0.

Standard Definition (10 bit YUV, 10 bit RGB)

- SCSI/FC to SATA JBOD RAID
- 3 or more SATA drives RAID 0 (Performance may vary dependant on mother board and SATA controller).

Installation

Installing the Bluefish444 Hardware.

Bluefish444 provides detailed information on tested and certified hardware configurations for a range of common motherboards and well known systems.

Please refer to the Bluefish444 website for more detailed information and slot configuration for Systems and motherboard types.

<http://www.bluefish444.com/support/compatibility/hardware/>

1. Shut down your system
2. Make sure you are earthed and discharge any static build up before handling the Bluefish444 card and adding PC devices internally.
3. Remove the power cable from your system.
4. Remove your system case
5. Identify a free PCI slot as outlined in the hardware configuration for your Bluefish444 certified motherboard or system.
6. When handling the Bluefish444 card, be careful not to handle the card incorrectly. Hold the card on the PCI shield top and at the top back. This will reduce any damaging of the bluefish444 card circuitry.

Note HD|Lust hardware requires two slots.

Software Installation

Before installing the Bluefish444 software the following requirements must be met;

- Administrator rights to your system,
- QuickTime 7.1.5 and above is pre installed,
- Windows XP service pack 2 with latest .NET framework installed,
- DirectX 9C,
- Latest Graphic card drivers,
- Latest system drivers and BIOS updates,
- Supported Bluefish444 hardware installed in the correct PCI slot for your system configuration,
- You have the correct storage array requirements for the solution you intend to use.

For Uncompressed I/O

1. Install the Bluefish444 hardware in the correct slot for your recommended computer system. For a list of certified systems and configurations please go to the following link; <http://www.bluefish444.com/support/compatibility/hardware/>
2. Run the latest installer

Deck Control plug-ins

Adobe Premiere Pro CS4 and Symmetry ships with built in Serial VTR control using the system COM ports and Bluefish444 VTR port.

You can use the supported rs-422 (9 pin COM port) to rs-232 cable supplied.

New Installations.

If this is the first time a Bluefish444 card has been installed in your system;

1. Turn on your system with a supported Bluefish444 video card.
2. When Windows loads, you may be presented with "New Hardware Found" Dialog box.
3. Close the Dialog box.
4. Run the Bluefish444 installer v XXX.
5. Say yes to all prompts to continue.
6. Click "Update" to update the firmware if the version is newer or click "Exit" to continue.
7. Select no to restart the system.
8. Go to "Start" menu button and select "Turn Off Computer".
9. Select "**Turn Off**" to shut down your system.
10. Restart your system.

You may under certain circumstances see another "new hardware found" dialog box, this is because the firmware introduces a new Rev ID, and so to the operating system it is a new device.

11. In the "found new hardware Wizard" dialog box select "install the software automatically" option.
12. Select next.
13. Select "Continue Anyway
14. Select finish
15. Launch Symmetry and the Bluefish444 feature application to test your configuration.

Installing over a Previous Installation

We highly recommend at all times to uninstall any previous Bluefish444 installers before installing a later version.

Uninstall Bluefish444 Installers.

1. Make sure you have closed all applications,
2. In the Windows Control panel, go to **Add or Remove Programs**,
3. Uninstall all Bluefish444 installers in the Add remove programs dialog box for example.
4. Restart your system.
5. Follow steps for 'new installations' above

Manual Removal of Bluefish444 files and Drivers

Step 1 Uninstall Bluefish444 Installers.

1. Make sure you have closed all applications,
2. In the Windows Control panel, go to **Add or Remove Programs**,
3. Uninstall all Bluefish444 installers in the Add remove programs dialog box

Step 2 Remove Bluefish444 Drivers and System files.

Note, you will be deleting files that are in system folders, ensure you do not delete incorrect files as this may affect the operation of your system.
You will also need to turn on "show system files and folders"

4. In "Windows Explorer" select tools and folder option in the menu bar
5. Select the "View" tab
6. In advance settings scroll to "Hidden files and folders"
7. select "Show hidden files and folders"
8. Go to the C:\Windows\inf folder and open it
9. Select the Search Utility and select the "Files or Folders" option.
10. In the "What do you want to search for" option box select "A word or phrase in the file"
11. Type in "Bluefish"
12. A file name beginning with OEMX.inf will be presented, X donates a numeric value e.g. OEM11.inf.
13. Delete the file.
14. Type in and search for the following files and delete all instances of them.
15. In C:\Program Files delete the **Bluefish444** folder and all the contents,
16. In C:\WINDOWS\system32 folder delete the following files;

- BlueDriver.sys
- BlueDriverMT.sys
- BlueOracDriver.sys
- BlueCapture.dll
- BluePlayback.dll
- BlueSonyRS.dll
- BlueSetupApi.dll
- BlueVelvet3.dll
- BlueVelvet3_d.dll
- BlueVelvet.dll
- BlueVelvet_d.dll
- BlueVelvetCom.dll
- BlueDriverMT.sys
- BluehancUtils.dll
- Puffer.dll
- BXQTPremiere.dll

- BFFileAdapters.dll
- FileInterChangeDll3.dll
- BlueFishFilters.ax

Note; Some of these files may or may not be present due to the uninstall process in step 3,

Step 3 Delete Plug-in's.

17. In the Start menu, select the Search Utility and select the "Files or Folders" option.
18. In the "What do you want to search for" option box select " All Files and Folders".
19. Type in and search for the following files and delete all instances of them.

For After Effects

- Bluefish444IO.aex
- bluefishemp.aex
- bluefishio.aex

For Adobe Premiere Pro 1.0/1.5

- bluefish444asio.dll
- cm-Bluefish-Compiler.prm
- im-Bluefish-Import.prm
- pm-Bluefish-Playback.prm
- rm-Bluefish-Record.prm

For Adobe Premiere Pro 2.0/3.0

- BFCompile.prm
- BFImport.prm
- BFPlayback.prm
- BFRecord.prm
- Bluefish444 Editing Mode.xml
- Bluefish444ASIO.dll
- Rm-bluefish-record-dv.prm

For Adobe Premiere Pro 4.0

- BFExport.prm
- BFImport.prm
- BFPlayback.prm
- BFRecord.prm
- BFDevice.prm
- Bluefish444 Editing Mode.xml
- Bluefish444ASIO.dll

De-register Direct show filters

20. To un-register the bluefish444 directshow filters
21. Type in "Cmd" in the run app in the start menu
22. Type in cd c:\program files\bluefish444\directshow\
23. Enter the following command
24. Regsvr32 -u BlueFishFilters.ax
25. Press enter



Step 4 Uninstall Driver via device manager.

26. In the "Device Manager" (Device Manager can be opened by right clicking the "My Computer" Icon in the desktop and select "manage". This will open the Computer management window. Select the "Device Manager".)
27. In "Sound, Video and Game Controllers" right click the "Bluefish444 X device" and select "Uninstall".
28. Follow onboard prompts.
29. Restart your system.

System is now cleared, From this point you can proceed to "new installation" steps

Support Contact Details.

Bluefish444 provide unlimited email and phone support to all registered customers for the life of the product warranty.

<p>World Wide Support</p> <p>support@bluefish444.com</p> <p>Australasia / APAC</p> <p>Bluefish444 Head Office 9am to 5pm (GMT+10 hours) T: +61 3 9682 9136 Email: support@bluefish444.com</p> <p>North America</p> <p>USA Tech Support T: + 1 (775) 727-6950 support-usa@bluefish444.com</p>	<p>Europe</p> <p>Bluefish 444 Europe Ltd Joel Street Farm, Joel Street, Pinner, Middlesex, HA5 2PD. United Kingdom</p> <p>T: +44 (0)20 8429 8345 F: +44 (0)20 8866 8207 Email: support@bluefish444europe.com</p>
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In order to resolve your issues quickly please ensure that you provide the following information when contacting support.

- System configuration and manufacture, Mother board type and Devices installed.
- SCSI or RAID controller card type.
- Storage array configuration,
- OS version.
- Applications installed
- Bluefish444 Serial number and product type.
- Installer version.
- Contact number
- Company name





FAQ's

A list of frequently ask questions listed by application type.

Link <http://www.Bluefish444.com/support/FAQ>.

Hardware compatibility guide.

This site has detailed information on tested and certified hardware categorized by motherboards, systems and integrators.

Link <http://www.Bluefish444.com/support/compatability>.

Software compatibility guide.

Current list of released retail software that is compatible with the Bluefish444 product range. Refer to this site often as new supported products a frequently released.

Link <http://www.Bluefish444.com/support/compatability>.

For phone support you must register your product online at the Bluefish444 web site.

Tech Support

If you have any questions please contact support at support@bluefish444.com.

Email Support is free for the life of the warranty. For phone support you must register your product at <http://www.bluefish444.com/support/techsupport>.

Contact

Australia

BlueFish444 (Head Office)

17b Market Street, South
Melbourne
Victoria, Australia 3205
Telephone: +61 (3) 9682 9477
Facsimile: + 61 (3) 9682 9466
Email: info@bluefish444.com

Europe

Bluefish444 Europe Ltd,

Joel Street Farm, Joel Street,
Pinner,
Middlesex,
HA5 2PD.
United Kingdom

Telephone: +44 (0)20 8429 8345
Facsimile: +44 (0)20 8866 8207
Email:
info@bluefish444europe.com

Web:
<http://www.bluefish444europe.com>

North America

Channel Wolves

492 Massachusetts Avenue
Suite 72
Boston, MA 02118
USA
Telephone: 1-866-314-7785
Facsimile: 1-617-249-1733
Email: contact@channelwolves.com

Web
<http://www.channelwolves.com>

China

UBS Consulting

601, Block 4, Wanda Square. 93 Jianguo
Road
100022 Beijing P.R China
Telephone: +86 (10) 5820 6929, +86
1350 1287 726
Facsimile: +86 (10) 5820 6930
Email: services@ubschina.com

Web <http://www.ubschina.com/bluefish/>