



DATA DISPLAY GROUP

Release Notes

Artista Windows Driver

Version 6.0.0

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1 Artista Windows driver release notes

1.1 Driver version number management

V <Architecture>. <Major>. <Minor>.<Package> - <build>

A new versioning scheme will start with version V1.3.0.xxx!

V <Architecture>. <Major>. <Minor> .<Build>

The architecture number will be changed on general architectural changes.

Major Number means that major functional features were changed, removed or added. Maybe new hardware will be supported.

Minor Number means that minor internal function calls were changed, bug fixes were made or customized functions were added or adapted.

=> interfaces from and to the driver are not changed!

Build Number is for Distec internal handling purpose only.



1.2 Version 1.2.2.0

1.2.1 Firmware compatibility

ArtistaNET

- needs firmware version V1.1

ArtistaUSB

- The driver is backward compatible up to ArtistaUSB firmware version V02.03
- The new features of the driver will be supported using ArtistaUSB firmware version V04.00 and higher.

1.2.2 Improvements:

- The problems of the touch screen support using the ArtistaNET is now resolved.
- Improvements of the Network protocol to improve connection stability.

1.2.3 Feature additions:

- "static assignment" added
 - o During the installation of the driver you can now choose between
 - "dynamic assignment"
 - "static assignment"
 - o "dynamic assignment" acts like a standard USB driver to set the focus more on „Plug & Play“ behavior.
 - o "static assignment" acts like the Artist is being handled like a standard „graphics adaptor“ (monitor-like behavior).
 - o "static assignment" requires ArtistaUSB firmware V04.00 and higher
- Touch screen synchronization added
 - o In order to use more than one Artista touch screen on one system.
 - o When one Artista touch screen is being pressed, the other ones are being disabled during the duration of the pressing period. This way, when more users are working with these touches, first comes first. Since most pressing periods are quite short, this effect cannot be retraced so easily and will in most cases not be detected by the user. By handling the touch in this manner, more users can use the system almost simultaneously. This synchronization is a common method which is also implemented by other touch controller drivers.



1.3 Version 1.2.3.0

1.3.1 Firmware compatibility

ArtistaNET

- Needs Firmware version V1.1

ArtistaUSB

- The driver is backward compatible up to ArtistaUSB firmware version V02.03

1.3.2 Improvements:

- Fixed potential problem of display content scrolling after disconnecting USB-Memory-Sticks
- Improved IOCTL functions

1.3.3 Feature additions:

- Support of ArtistaUSB-II cards with resolutions SVGA, XGA, WXGA

1.4 Version 1.2.4.0

1.4.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher

ArtistaUSB

- The driver is backward compatible up to ArtistaUSB firmware version V02.03

1.4.2 Improvements:

- Nothing changed

1.4.3 Feature additions:

- Support of ArtistaUSB-II cards with resolutions SXGA



1.5 Version 1.4.0.633

1.5.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices a ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.5.2 Improvements:

- Fixed bug in assignment management
- Fixed bug in frame buffer mapping
- Improved debugging features (internal use only)
- Improved performance of picture transfer IOCTL
- Fixed BSOD while transmitting picture to a prior switched off Artista device
- Fixed BSOD while surprise removal
- Improved and fixed friendly name in device manager. It shows resolution now.
- Installer improvements. Removed "driver" directory at "DRVSTORE". Some cleanups.
- fixed bug in rights permissions.
- Versioning scheme changed.
V <Architecture>. <Major>. <Minor> .<Build>
- Touch screen calibration tool supports ArtistaNET too
- support for HD resolution 1920x1080p added

1.5.3 Known issues:

- Driver update from former versions needs the manual deinstallation of the old driver and the usage of ArtistaRegCleaner.exe before installation.
- For correct touch screen functionality of ArtistaNET a ArtistaNET Firmware V2.0 or higher is needed.
- Using ArtistaNet with external firewall programs like FSecure™ or (Sunbelt) Kerio™ - unlike the Windows™ firewall may cause a system crash. It is not enough to disable the programs. Deinstallation is crucial.
- TCP Port can not be changed at the moment. Only port 28242 can be used for now.
- For "static" assignment with ArtistaUSB devices a ArtistaUSB Firmware Version V04.00 and higher is necessary



1.6 Version 1.5.5.713

Preliminary Windows Vista release without Desktop Graphics driver. Tested with Windows Vista only.

1.6.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.6.2 Improvements:

- new installer to support Windows Vista
- added HD resolution 1920x1080 for ArtistaNET
- improved touch screen driver error handling

1.7 Version 2.0.0.7104

1.7.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.7.2 Improvements:

- Windows Vista Desktop support (no Aero supported)
- Last ACC and ADP pictures will stay after power down of host PC
- ArtistaSDK V2.0 support

1.8 Version 2.1.2.7724

1.8.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.8.2 Improvements:

- added resolution 1024x600



1.9 Version 3.0.0.9093

1.9.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.9.2 Improvements:

- Lift Network handling into user space. This solves some crashes with desktop firewalls.

1.10 Version 3.0.1.9320

1.10.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.10.2 Improvements:

- Bugfix of ArtistaNetbus WDF driver (driver hangup on disconnection during touch events from ArtistaNET devices)
-

1.11 Version 3.2.0.11541

1.11.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.

1.11.2 Improvements:

- Added RAW-PDO compatible mode in ArtistaNetBus WDF driver



1.12 Version 4.0.0.13743

1.12.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.
- Touch Screen calibration with Artista Calibration Tool 2.x is supported by Firmware Version 5.0 and higher

1.12.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows Vista 32 Bit all versions. Tested on Windows Vista Ultimate (Without Aero)
- Windows XP 32 Bit all versions since SP2. Tested on Windows XP Professional SP3
- Windows 2003 Server 32Bit since SP2

1.12.3 Improvements:

- Now support for Windows 7 (**Mainclass & Netbus drivers only!**)
- Added Mainclass WDF driver and RLE-Compression algorithms
- ArtistaCalib Tool is now based on ArtistaSDK V4.3 and supports Artista devices with the following FW versions: -- ArtistaUSB versions ≥ 5.0
-- ArtistaNET versions ≥ 2.0



1.13 Version 5.0.0.xxxx

1.13.1 Firmware compatibility

ArtistaNET

- Needs Firmware Version V1.1 and higher.
- Touch Screen is supported by Firmware Version 2.0 and higher

ArtistaUSB

- The driver is backward compatible down to ArtistaUSB firmware version V02.03
- For "static" assignment with ArtistaUSB devices an ArtistaUSB Firmware Version V04.00 and higher is necessary.
- Touch Screen calibration with Artista Calibration Tool 2.x is supported by Firmware Version 5.0 and higher

1.13.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows XP 32 Bit all versions. Tested on Windows XP Professional SP3
- Windows 2003 Server 32Bit.

1.13.3 Improvements:

- Now support for Windows 7 complete including desktop extension
 - o Default there are up to 8 Artista Desktop Extensions supported.
 - o Aero and DirectX is not supported yet
- Improvements on desktop assignment algorithm. Will handle some third party video mirror driver correct.

1.14 Version 5.2.0.xxxx

1.14.1 Firmware compatibility

No change

1.14.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate
- Windows XP 32 Bit all versions. Tested on Windows XP Professional SP3
- Windows 2003 Server 32Bit.

1.14.3 Improvements:

- Now support for Windows 7 64bit versions complete including desktop extension

1.14.4 Notes

- Default there are up to 6 Artista Desktop Extensions supported on Windows 7. (2Gb Ram minimum requirement on both Window7 32bit & 64bit; WindowsXP remains untouched, the number of displays there is max. 10!)
- Aero and DirectX is not supported yet



1.15 Version 5.4.0.xxxx

1.15.1 Firmware compatibility

No change

1.15.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate
- Windows XP 32 Bit all versions. Tested on Windows XP Professional SP3
- Windows 2003 Server 32Bit.
- (for Windows 7 embedded version ask our Support for assistance)

1.15.3 Improvements:

- Desktop extention modes dynamic/static available
- Minor bug fix on ArtistaNetBus device surprise removal
- Bugfix Ticket#: 2010111010000011 Main monitor misplacement
- Bugfix: BSOD in some situations
- Supports ArtistaNET-4.3 and ArtistaUSB-eco
- Enables Artista SDK for 24Bit color depth support for ArtistaNET-III and ArtistaNET-4.3

1.15.4 Notes

- Default there are up to 6 Artista Desktop Extensions supported on Windows 7. (2Gb Ram minimum requirement on both Window7 32bit & 64bit; WindowsXP remains untouched, the number of displays there is max. 10!)
- Aero and DirectX is not supported yet



1.16 Version 5.4.1.xxxx

1.16.1 Firmware compatibility

No change

1.16.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate
- Windows XP 32 Bit all versions. Tested on Windows XP Professional SP3
- Windows 2003 Server 32Bit.
- (for Windows 7 embedded version ask our Support for assistance)

1.16.3 Improvements:

- Bugfix: Artista Desktop Driver Static mode will not blacken the main monitor screen, when a USB device is added or removed

1.16.4 Notes

- Default there are up to 6 Artista Desktop Extensions supported on Windows 7. (2Gb Ram minimum requirement on both Window7 32bit & 64bit; WindowsXP remains untouched, the number of displays there is max. 10!)
- Aero and DirectX is not supported yet

1.17 Version 5.9.1.xxxx

1.17.1 Firmware compatibility

No change

1.17.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate

1.17.3 Improvements:

- Desktop extension uses new driver model with accelerated performance

1.17.4 Notes

- Only intended for one display yet (one ArtistaUSB or one ArtistaNET)
- Aero and DirectX are now supported
- STILL FOR TESTING PURPOSES USE ONLY!



1.18 Version 5.9.3.xxxx

1.18.1 Firmware compatibility

No change

1.18.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate

1.18.3 Improvements:

- Now touch is supported

1.18.4 Notes

- Only intended for one display yet (one ArtistaUSB or one ArtistaNET)
- Aero and DirectX are now supported
- STILL FOR TESTING PURPOSES USE ONLY!

1.19 Version 5.9.5.xxxx

1.19.1 Firmware compatibility

No change

1.19.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate

1.19.3 Improvements:

- Now multiple displays are supported.
- RAM amount is crucial for flawless use !

1.19.4 Notes

- Only intended for one display yet (one ArtistaUSB or one ArtistaNET)
- Aero and DirectX are now supported
- STILL FOR TESTING PURPOSES USE ONLY!



1.20 Version 5.95.7.xxxx

1.20.1 Firmware compatibility

No change

1.20.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate

1.20.3 Improvements:

- Now multiple displays are supported.
- RAM amount is crucial for flawless use !
- Hardware Pointer Issue fixed

1.20.4 Notes

- Only use with ArtistaUSB or one ArtistaNET with a fair amount of RAM
- 6 devices are supported by having about 2Gb of RAM
- Aero and DirectX are now supported
- BETA DRIVER

1.21 Version 5.97.0.xxxx

1.21.1 Firmware compatibility

No change

1.21.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate

1.21.3 Improvements:

- Desktop Rotation added for Artista displays

1.21.4 Notes

- Only use with ArtistaUSB or one ArtistaNET with a fair amount of RAM
- 6 devices are supported by having about 2Gb of RAM
- Aero and DirectX are now supported
- BETA DRIVER



1.22 Version 6.0.0.xxxx

1.22.1 Firmware compatibility

No change

1.22.2 OS compatibility

- Windows 7 32 Bit all versions. Tested on Windows 7 Ultimate
- Windows 7 64 Bit all versions. Tested on Windows 7 x64 Ultimate
- Windows XP 32 Bit all versions. Tested on Windows XP Professional SP3
- (for Windows 7 embedded version ask our Support for assistance)

1.22.3 Improvements:

- AERO Support on Win 7
- Desktop Rotation added for Artista displays on Win 7
- DirectX for Video on Win XP

1.22.4 Notes

- Only use with ArtistaUSB or one ArtistaNET with a fair amount of RAM
- 6 devices are supported by having about 2Gb of RAM
- Aero and DirectX are now supported
- ArtistNET-III devices won't work yet in WindowsXP driver, but in next release



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