



# Release Notes

## Artista Windows Driver

Version 1.1

**13.10.2009**

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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.

### 1.12.2 Improvements:

- 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  $\geq$  5.0  
-- ArtistaNET versions  $\geq$  2.0



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