



Release Notes

ArtistaNET Firmware

Version 1.1

30.06.2010

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Table of Contents

1	ArtistaNET firmware release notes	3
1.1	ArtistaNET firmware version- definition	3
1.2	History:.....	3



1 ArtistaNET firmware release notes

1.1 ArtistaNET firmware version- definition

V <Major Number>. <Minor Number>

Major Number means that major functional features were changed, removed or added. Hardware changes are possible.

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

1.2 History:



Firmware versions V0.0 – V1.2 are only delivered and suitable for ArtistaNET blue PCB up to Revision 1.1. Firmware versions V2.0 and greater are suitable for all ArtistaNET (blue PCB) and ArtistaNET-II (white PCB).

V00.x: Firmware on prototypes und pre series

V01.0: Firmware for Driver release V1.2.1.0

V01.1: Firmware For driver release V1.2.2.0

- Vendor-calls added to net client to improve the compatibility for ArtistaUSB devices.
- Revised the browser configuration to improve system stability.
- Bug fix: Gateway IP properties were reset after firmware update (boots to the rescue system and back)
- Bug fix: Touch driver gives out constant touch pressure values over the entire range of the touch field
- Bug fix: Interrupt-handling changed in kernel software – this improves system reaction times.

V01.2: Firmware for driver release V1.2.4.0

- Boot logo
- fixed Bug in WXGA Backlight driver (using WXGA Kits, the brightness control was inverted)
- optimized web front-end (Network configuration will be displayed dynamically)
- optimized vendor calls to improve compatibility



V02.0: Firmware for driver release V1.4.0.633

- added new function calls
 - o 64 character client name
 - o 256 character description field
 - o 64 byte reserved user data memory
 - o get resolution information
 - o back buffer picture transmission with manual back buffer to front buffer change event
 - o get verbose firmware version information
- Auto touch screen detection
 - o When a touch panel is being connected to an Artista card so it will be automatically detected during the next power-up phase. This way, the touch driver will be also installed when the touch is present.
 - o When no touch panel is connected to the specific Artista card, the driver will also notice this fact.
- ArtistaNet touch screen calibration is now similar to ArtistaUSB devices. To calibrate the touch the package CalibSetup.exe has to be used now.
- optimized web front-end
 - o fixed known issue regarding browser cache problems

V03.0:

- added 1920x1080 resolution to firmware
- bugfix in VX_USER_DATA (set USER_DATA stops if 0x00 is present in VendorTransferBuffer)
- minor changes in VendorCalls
 - o AUTO_CHANGE_ENABLE
 - o DEVICE_FEATURES (suspend mode)
to achieve ArtistaUSB compliance
- added new Vendor Calls
 - o VX_FIRMWARE_UPDATE
 - o VX_CONFIGURATION_ID
to enable field updates of ArtistaNET

**V04.0: Firmware for driver release V2.0.x and ArtistaSDK-II**

- bugfix VX_SET_DISPLAY_GUID (only internal used)
- bugfix VX_DESCRIPTION (wrong index handling)
- bugfix VX_SET_BACKLIGHT (solved problem with stored brightness)
- added new Vendor Calls
 - o VX_CUSTOMER_DATA
 - o VX_CONFIGURATION_VERSION
- changed length of VX_CONFIGURATION_ID from 16Byte to 20Byte
- improved bootplash to show Network configuration of ArtistaNet
- Backlight configuration in Webfrontend show current and stored backlight settings
- improved performance of backbuffer to frontbuffer blit (VX_DEVICE_EVENT)

V04.0.1: Bugfix release

- fixed "pixel garbage bug" in case of device event

V04.0.2:

- HD (1920x1080) resolution is now fully supported
- Changed webfrontend style to new DD-Group CI

V4.2.0

- bugfix: Touch Handling (fixes bad responses on some areas)
- bugfix: Switch display off after power on and show boot logo
- bugfix: correct html content header in reboot.cgi file
- added firmware call to allow ARCB integration
- added firmware call to allow ease exchange of bootlogo (by using Artista Display Printer Software or ArtistaSDK)

V4.4.0

- only ArtistaNet-II will be supported from now on!
- bugfix: corrected timing for read access to FPGA registers
- bugfix: corrected sequencing of LVDS signal

V4.6.0

- enabled dynamic network configuration with DHCP
- ArtistaNet-II can now be reached by its hostname if supported by DHCP server
- enabled DNS resolution -> Artista server can now be reached by its IP address OR its hostname



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