



## Reelbox Avantgarde BIOS-Updater

The BIOS-updater for the Reelbox Avantgarde is an easy to handle tool to update the firmware of the mainboard-BIOS (supported are types I and II). The BIOS-update is especially expedient for the Avantgarde II BIOS remedying the problem of loosing an already preset boot sequence. The actual status for the BIOS versions are:

- Avantgarde I: typ. delivery state **1.11** - after updating **1.29**
- Avantgarde II: typ. delivery state **1.06** – after updating **1.11**

Additionally, the updater adjusts the BIOS settings to values customized for the Reelbox Avantgarde (Reel-factory settings from August 2009 on). The use of the BIOS-updater requires a monitor (PC / TV) and a keyboard. Further informationen could be found on our website under: [www.highend-digital.biz](http://www.highend-digital.biz)

### How do I get the BIOS-Updater?


- 1) Download Version:** The BIOS-updater can be downloaded for free from our webseite ([highend-digital.biz](http://highend-digital.biz)). The update requires the transfer of the software-image to an USB-stick. (see: **Transfer Software to USB-Stick**).
- 2) Upgrade Version:** We deliver the BIOS-updater 'ready-to-use' on an USB-Stick against reimbursement of our costs. After the BIOS-Update You can use the stick as normal USB-memory. Later You may decide to upgrade to the full version Rescue-Stick paying only the price difference.
- 3) Rescue Version:** The BIOS-updater is integrated in our Rescue-Stick and can be selected directly during the boot-process choosing **Reelbox Avantgarde BIOS Updater** in the yellow boot menu. (Please continue reading at: **Conduct a BIOS-update** )

### Tips for use

Do not interrupt a running BIOS-Update!

Interrupting the update process may result in an unusable mainboard which has to be repaired in a specialized service center !

## Transfer Software to USB-Stick

Under <http://download.highend-digital.biz/public/hed-bupdater.zip> You'll find a compilation of all important files as compressed archive: Two PDF-files with documentation in English and German, the disk-image **hedbiosu1\_0.img** as well as **hed-bu-gen**, a (Linux) tool to transfer the image to an USB-stick. The transfer tool is a commandline program and can therefore be used on the desktop as well as via a remote connection. Below, we describe the desktop variant. As user **reel**, go to the desktop and launch a konsole  program. Transfer the archive **hed-bupdater.zip** to the directory / **home/reel** and unpack it **unzip hed-bupdater.zip** Change into the unpacked archive using **cd hed-bu-1.0** and start the program typing **sudo ./hed-bu-gen** (enter reel-password). Follow the the given instructions. When the USB-stick is plugged in, typically a popup is shown to select further procedure. Exit this window using the **Abort** button. **Attention:** All data on the USB-stick will be overwritten! The image transfer can also be conducted under Windows. Possible programs are: **Ghost**, **Image Direct** or **TrueImage** (Acronis, trial version).

## Conduct a BIOS-Update

Plug the USB-stick into the box (OFF-state). Then start the box using the mains switch. During the initial boot phase, press the button **F11** repeatedly until the menu of bootable devices is displayed. Choose the plugged USB stick (**SMI USB Disk(2GB)**, **USB Disk(4GB)**, **General USB Disk(8GB)** for sticks from Highend-Digital) and start its boot procedure using the **Return** button. The Rescue-Stick displays a yellow boot menu. Choose the option **Reelbox Avantgarde BIOS Updater**. A ready-to-use or downloaded BIOS-updater doesn't need further boot selection. The stick is booting into the updater and You'll be prompted to select the language. Press **E** for Englisch or **D** for German. Next You'll see the banner Highend-Digital as well as a disclaimer. If You select **Continue** the updater is checking the BIOS-version and -if applicable- initiates an update of the BIOS-firmware. If You see a message 'firmware up-to-date' there is no need of a BIOS-update.

Following, optimized BIOS settings for the Avantgarde will be loaded. This step is always carried out - independently of a firmware update. After the procedure, a success message is displayed in green - an error message is displayed in red letters.

## In Case of Problems

As customer of the Rescue-Stick or a ready-to-use BIOS-updater please contact us in case of problems via e-mail at [support@highend-digital.biz](mailto:support@highend-digital.biz). Send us a short description of the procedure resp. the problems which occurred. Helpful are messages from the monitor (e.g. use Your mobile to take a photo) as well as a short description of Your system (type, buying date, spec. upgrades etc.). The download-version of the BIOS-updater will be supported via the Reel user-forum: <http://reelbox-forum.com/index.php>