

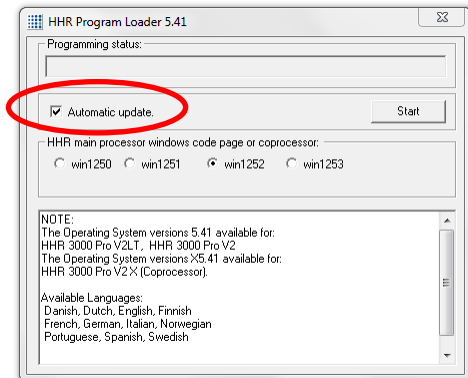
HHR software update, new features and improvements

1. Program versions at this release:

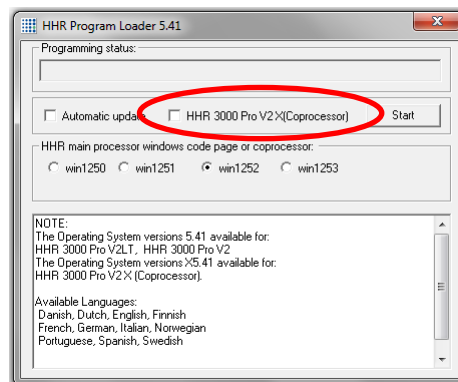
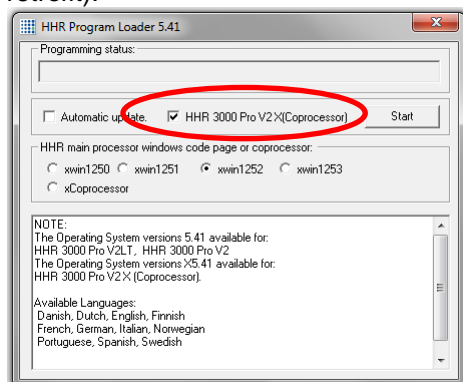
- HHR Manager = 5.41, Operating System = 5.41, HHR PDA Manager = 1.00
- New features added (in this document) and bug fixes. See readme file on BioControl-website at <http://www.biocontrol.no/index.php?root=comm&branch=hhr&leaf=soft>

2. New Operating System (currently 5.41) and HHR ProgramLoader (currently 5.41):

- B10016 informs in #3 that the HHR and HHR-X have different Operating Systems (OS 4.xx for HHR and OS 5.xx for HHR-X). We learned that this is confusing. We therefore have changed this so that there is now only one OS 5.xx that contains both OS's for the HHR and HHR-X. The HHR ProgramLoader then will load the correct OS in the HHR or HHR-X that is connected.
- The ProgramLoader automatically detects which HHR-type is connected. With the 'Automatic update' box ticked, The ProgramLoader will automatically load the OS for the HHR or HHR-X:



- In case the HHR is retrofitted with a Coprocessor (so HHR becomes HHR-X), or the Coprocessor is removed (so HHR-X becomes HHR), the old OS is still in the HHR after the retrofit. By unticking the 'Automatic update' box, the manual boxes will come up. The ProgramLoader then needs to be set manually to load the correct OS (only the first time after the retrofit):



3. New HHR Manager (currently 5.41):

- B10016 informs in #2 that the HHR Manager will be named HHR-X Manager to distinguish from earlier versions. We learned that this can give compatibility issues when an already existing Application Program calls the new HHR Manager. We therefore will continue to call this program HHR Manager.

4. Software changes in version 5.41

The following changes are integrated in OS 5.41. Details about the new functions and changes can be found in the corresponding manuals and in the readme-file on the website.

Changes	Explanation
• New Windows Code Page: win1251	Cyrillic character set now available
• HHR Manager Command Line for win1251	Command Line now with Cyrillic texts
• Cyrillic keyboard lay-out	To enter Cyrillic characters on HHR
• Connection to Tenso-M weigher	Import weight from TB-003/05H (RS232)
• Exit codes for HHR Manager in Command Line Mode	Command Line Mode now informs the program about status (error code, etc.)
• Printing according to Sorting(), Join() and SetFilter()	SetFilter added to the printout function. For Coprocessor only!
• Concatenate value of expressions	New CatExp function enables you to concatenate values of expressions to another field

5. New software functions in Operating System v5.41

- *CatExpL*, *CatExpL_p*, *CatExpR*, *CatExpR_P* – enables to concatenate various values of expressions and variables into another field
- *CopyField*, *CopyField_p* – copy data to the column_name_d from the column_name_s
- *TansoWeight*, *TansoAdd* – to import the weight from the Tenso-M weighers (with apologies for misspelling the name of Tenso-M ☺)

6. Miscellaneous bug fixing listed in Readme file

Details on new features can be found in the updated manuals.

We trust to have informed you sufficient and look forward to being of service to you.

For all technical questions: please email support@biocontrol.pl

With best regards,
BioControl