

FRS 2.3 Release Notes

August 2011

FRS 2.3 is only available for **Allegro MX, and Laptop for HM800** HarvestMaster electronics.

Resolved Issues and New Features

1. FRS version 2.3 was developed for the HM800 / MX/ Laptop, with the goal of resolving the following issues:
 - Fixing software slowdown and fixing database corruption issues.
 - Resolved early Navigation Complete error found on Twin High Capacity Systems.
 - Option to halt or continue on tare message within harvest. Default only displays a tare error message but does not halt the system.
 - Name of the moisture curve selected when entering harvest is stored in the backup log file.
 - A new version of DataLink for FRS compatible with FRS 2.2 and FRS 2.3 files and databases.
 - Change sequence of BDS wiper. Wiper only extends prior to collect BDS test weight. This reduces errors caused by BDS wiper "pinching kernels" on the edge of the BDS cup. Use Script file to change BDS sequence on Allegro CX or HM400 systems.
 - Increased Font of current weight and moisture in GHM and Single High Cap versions for better visibility.
 - Resolved issue when Auto/Manual switch is set to manual mode acting as if FRS has locked up.
2. Added a user entered Quick one time note on any selected plot in the spatial view. F8 Key enables one time note.
3. Added a user selectable checkbox for the tare warning message to stop or continue harvesting during collection. (See bullet item 3).
4. New feature to collect repetitive traits in the Generic Harvest Module. i.e. weight trait as a repetitive trait.
5. List screen was changed to read only when a harvest module is enabled.
6. View current firmware version of the HM800 modules from within the FRS software and update within FRS (prior updates performed using separate HarvestMaster update software).
7. The Console "On" light will flash Red when a tare warning is detected.
8. The database structure has changed from FRS v2.2 to FRS v2.3.
 - FRS v2.2 the database stores all maps together in one folder on the device. FRS v2.3 separates out each map in its own database and folder on the device. This will reduce corruption and improve database performance.
 - Creation of maps on the handheld will take longer due to the files and folders being created.

Installation

- It is recommended that you do a complete uninstall of FRSv2.2 on the handheld and windows PC.
 - For the Allegro MX, follow install instructions for removing prior version of FRS and for cleaning up old files and folder.
 - For Windows tablets or PC's uninstall through Control Panel, then manually delete files and folders

FRS v2.2 files and database paths:

Allegro MX –

Program Files\FRS

All backup files, error logs and database

Laptop XP –

C:\Program Files\Juniper Systems\FRS

All backup files, error logs and database

FRS v2.3 files and database paths:

Allegro MX –

Application Data\HarvestMaster\FRS2

Contains Error Log files

Program Files\FRS\Backup

Backup files

My Documents\My FRS Files

Contains individual field map data

Laptop XP –

C:\Documents and Settings\All Users\Documents\

HarvestMaster\FRS2\Maps

Contains Error Log and Backup files

C:\Documents and Settings\All Users\Application Data\HarvestMaster\FRS2

Contains individual field map data

Laptop Vista & Win 7 –

C:\ProgramData\HarvestMaster\FRS2

Contains Error Log and Backup files

C:\Users\Public\Documents\HarvestMaster\FRS2

Contains individual field map data

The recommended Minimum timer settings for **High Capacity Systems for FRS 2.3** are listed below:

Timers

- Hopper Open 0.4
- Plot Open 0.4
- Weight Time 0.8
- Countdown Timer Depends on Combine Cleanout

Actuators

- Left Holding Hopper
 - Open Transit Time 0.8
 - Close Transit Time 0.4
- Right Holding Hopper
 - Open Transit Time 0.8
 - Close Transit Time 0.4
- Plot
 - Open Transit Time 0.8
 - Close Transit Time 0.2
- Auxiliary
 - Open Transit Time 0.2
 - Close Transit Time 0.2

BDS Settings (access by pressing F12 from BDS Setup Screen)

- Accel. Factor 1.0
- Wiper Delay 0.0 v2.2 = 500, v2.3 = 0.0
- Wiper Return 200 v2.2 = 250-300, v2.3 = 200
- Settle Time 400
- Weigh Time 900
- Dump Return 500

No other settings in this screen should be adjusted. Adjusting these times so that the Weigh Time plus the Settle Time are greater than 3000 will cause a lost connection during harvest.

Known Issues with Workarounds

FRS v2.3

1. M[4690] FRS Laptop. Import files do not show in the FRS map drop down menu on the main screen after import. Exit FRS and then enter FRS to see maps just imported.
2. M[4370] No tare warning message will appear when entering the first plot of a map. After the first plot is collected tare warning messages will be displayed. It is recommended to Tare in diagnostics screen before entering collect screen.
3. M[3871] Do not set BDS wiper return to less than or equal to zero.
4. M[4230] When saving a copy of a Trait the new trait will not display until you exit the Master Trait screen and then re-enter. The trait did get created.

5. The "Plot Open State Time" is not used in the BDS script and changing it, therefore, will have no effect on the actual open time of the plot gate.
6. Combine observations do not follow the correct navigation path if the location is repositioned. To correct this problem: After repositioning, exit collect and then re-enter collect at the new position.
7. The default BDS wiper delay is set to 0.5 second. This adds a full second delay on a twin. For users needing that additional performance, contact customer service and they can give directions on how to correct the delay.
8. M[3046] FRS v2.2 HM400. Setting the Open State Timer on the Classic GrainGage to less than 0.5 seconds can cause un-predictable results. The moisture and test weight averages can include data from an 80% full hopper. DO Not set the Open State Timer to less than 0.5 seconds.
9. The form panel has a problem displaying the d/m/yyyy date format. The month gets reset to January (1) when displaying previously collected dates. For example, the date 3 Aug 2011 (3/8/2011) is displayed as 3/01/2011. The workaround is to select the dd/mm/yyyy date format in preferences.